User Manual

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There are several types of open source licenses. XE is licensed under the GNU Lesser General Public License (LGPL) v2. As there is a slight difference between LGPL v2 and LGPL v3, it is important to keep the version in mind. LGPL is basically the same as GPL, but its scope of application is more restrictive. Like GPL, LGPL has the effect of forcing all software that includes any LGPL-licensed software to have the same license. While GPL requires all software that includes any GPL-licensed software to unconditionally open its source codes, LGPL-licensed programs do not need to open their source code when they are used under specific conditions. Therefore, LGPL-licensed software can also be used for developing proprietary software. For more information, see the website below.
LGPL License: http://www.gnu.org/copyleft/lesser.html
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Introduction to Document

Document Overview

This document describes how to install and use XE which enables you to build websites and manage contents.

Audience

Audience of this document is users who want to build and operate websites including Cafes and blogs by using XE.

Contact

For any comments or inquiries regarding the document, contact via email below.

Email: developers@xpressengine.com

Revision History

Ver.	Date	Changes Mode
1.0	2010.10.29	1.0 version distributed.
2.0	2011.12.30	Updated based on XE core 1.5

Conventions

Note Symbol

> **Note**
> A note provides information that is useful for readers.

Caution Symbol

> **Caution**
> A caution provides information that you should know in order to prevent system damages.

Window, Site, Menu, and Field Names/Selected Value and Symbol

Window, site, menu and field names, a selected value, and a symbol are marked as follows:

- Window name: In bold type such as **window name** window. Note that this convention is not applied in source code.
- Site name: Enclosed in single quotations such as 'Naver Desktop Download' site.
- Menu name: In bold type such as **Menu > Submenu**.
- Input value: In italic type such as *homepage*.

Source Code

Source code is written in black on a gray background in this document.

```
COPYDATASTRUCT st;
st.dwData = PURPLE_OUTBOUND_ENDING;
st.cbData = sizeof(pp);
st.lpData = &pp;
::SendMes(GetTargetHwnd(), WM_COPYDATA, (WPARAM)this->m_hWnd, (LPARAM)&st);
```

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1. Introduction to XE

This chapter provides a definition of XE, and describes its features and characteristics.

1.1 What is XE?

The name 'XE' is a combination of two words, 'eXpress' and 'Engine.' It can be defined as 'a system to help people express their thoughts or feelings.'

XE is a website creation program that is installed on a server computer. To make a website, you generally need to know programming languages such as HTML, CSS, PHP and SQL. But if you use XE, you can easily make a website without being familiar with any programming languages.

Based on a core program, XE core, XE enables you to combine various features and make the website you want.

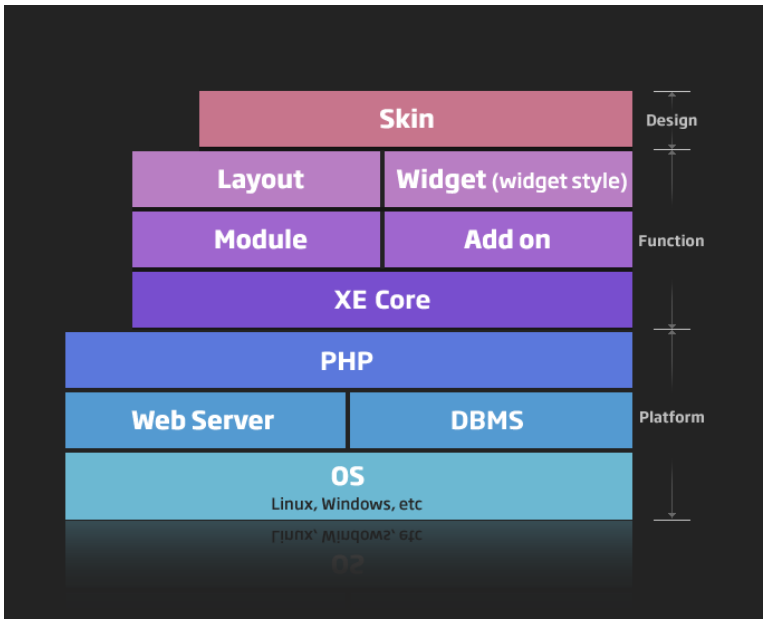


Figure 1-1 XE Summary

> **Note**
>
> For detailed information on XE, see the official XE website.
> http://www.xpressengine.com

1.2 Features and Characteristics of XE

The features and characteristics of XE are as follows:

Easy Website Construction

XE provides diverse modules such as Textyle (blog type), CafeXE (Cafe type) and PlanetXE (micro-blog type). You can conveniently construct the website you want to make by selecting the appropriate modules.

Modular Structure

A module in XE is a program. XE is composed in a modular structure, making it easy to construct, add and use features, like building with Lego blocks. You can construct diverse websites by combining the basic modules provided by XE with the extended features shared through communities. Developers can easily develop additional modules for XE with new features, and share them through XE communities.

Open Community

XE provides a lot of information through its open community. In the XE community, there are many users who have used XE since ZeroBoard, and free and open source project members. Users can search the community for the information they want, and ask other users for the information at will.

Multi-language Support

XE supports multiple languages for multiple countries. You can easily create a website that displays in English, Japanese, Chinese, Russian and others languages, as well as Korean, without the separation of the website by language.

1.3 Terminology

FileZilla

A free file transfer protocol (FTP) program. Its official website is http://filezilla-project.org/.

mod_rewrite

A function that shortens a long URL to make it easy to remember. For example, http://example.com/index.php?module=admin can be shortened to http://example.com/admin. This feature can be used only when it is supported by the Web server.

PuTTY

A remote access program that supports Telnet or Secure Shell (SSH) protocol. The official website is http://www.putty.nl.

WPI

An abbreviation of Web Platform Installer. Microsoft provides this tool to enable the use of Web Platform products, and its official website is http://www.microsoft.com/web/default.aspx.

XE core

Core program that is responsible for the installation and operation of XE. XE core is used to install and execute extensions, such as module, layout and skin.

Extensions of XE

Components that can be added to XE core for user convenience in website operation. They include modules, addons, widgets, skins, widget styles and layouts.

XE

An abbreviation of XpressEngine. This is the website builder program that is installed on and used from a server computer, and its official website is http://www.xpressengine.com/.

Virtual website

This function enables you to use a web page made by XE as another website separate from XE's default website.

Layout

A component that is responsible for the arrangement of extensions installed on a website.

Module

Program that can be added to XE for use

Easy Install

This feature enables you to install a selected extension by interworking with the official website for XE without downloading any source program from the official website for XE and uploading it to a server.

Skin

A design of program installed on any website.

Addon

A small program that makes an interrupt between the operations of module features to perform their own functions.

Widget Style

A component that decorates the appearances of widgets.

Widgets

A component inserted into a layout or a page module for operation.

ZeroBoard

The most popular bulletin board system that was developed in 1999 in Korea. The software has been developed into the current XE through ZeroBoard XE.

2. Installation and Removal

This chapter describes how to install and uninstall XE.

2.1 Prerequisite

XE is a web application for setup. To create a website by using XE, you need a web server on which XE is installed. The server space to install XE can be secured in several ways, but the following two ways can be considered: using a computer directly as a server, or leasing web server space provided by a web hosting provider at some cost.

2.1.1 Required Programs

The list of programs required for installing XE in the web server environment is shown in the table below. If you use Microsoft Web Platform Installer to install XE, the programs listed in the table will be automatically installed. If you do not use one of these installers, you must check and set up the required programs and libraries in advance.

Table 2-1 The List of Required Programs

Program		Mandatory/Optional
PHP 4.x ~ 5.x (excluding 5.2.2)		Mandatory
PHP library	XML library	Mandatory
	GD library	Mandatory
	ICONV	Optional
Database Management System (DBMS)	CUBRID	Choice
	Firebird	
	MySQL 4.1 or higher	
	PostgreSQL	
	SQLite2 and SQLite3	
	MS-SQL	

2.1.2 Downloading XE Core Setup File

To create a website by using XE, you must set up XE core. XE core is the core program responsible for the installation and operation of XE. XE does not have any website management related features. However, XE core is essential for the installation and execution of extensions such as modules, layouts and skins.

You can download the latest XE core setup file from the website (http://code.google.com/p/xe-core/downloads/list) for free.

> **Note**
> If you install XE by using WPI on Windows, you do not need to download the XE core setup file.

The XE core setup file is provided in two types, which are zip and tgz. Download the zip file if you want to upload the files to the server after extracting them on My Computer, or the tgz file if you want to extract the compressed file after uploading it to the server. For more information in the file upload method used for each type, see "Uploading XE Core Setup File by Formats."

2.2 Setting Up a Server Environment

Regardless of the type of server OS, XE can be installed in all environments where "Required Programs" is installed. You must build the required Web server environment before installing XE.

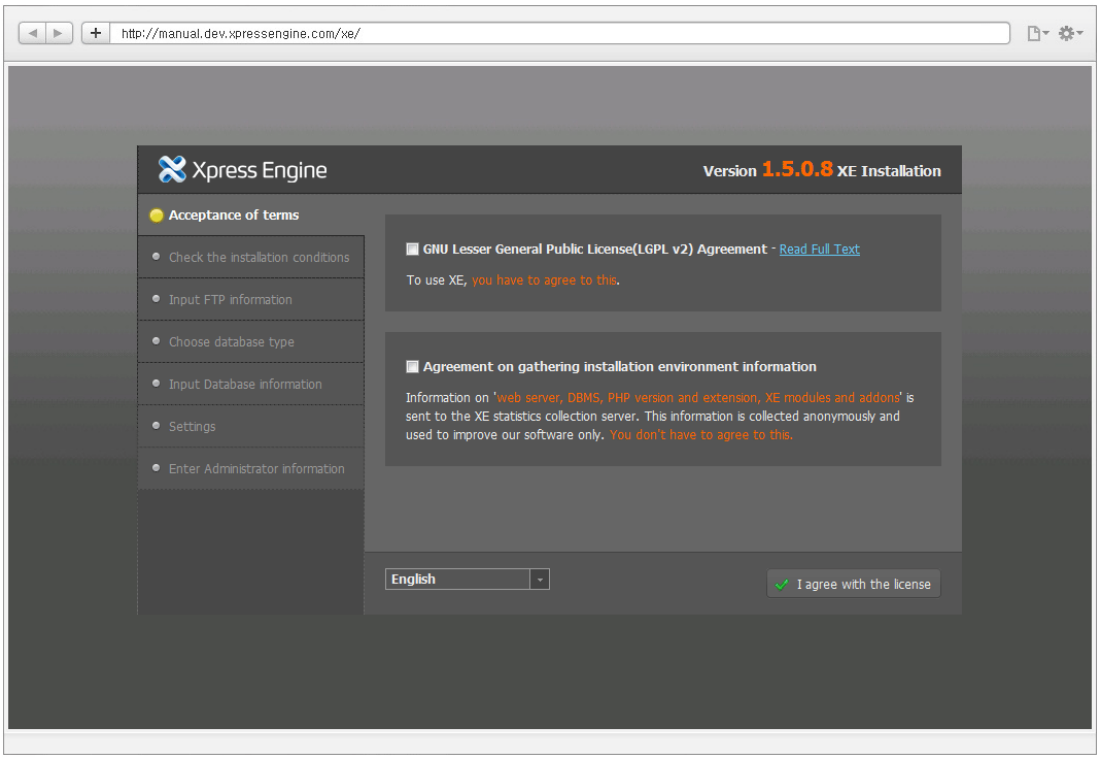
You can install XE and the required programs in the Windows environment by using WPI. For more information, see the example "Setting Up a Windows Environment."

Before installing XE in the Linux environment, you must install the programs in "Required Programs" manually. The detailed setup procedure for each program is not covered in this document. For detailed information on setting accounts, getting access to a server from a remote website and uploading the XE core setup file, see "Setting Up a Linux Environment."

2.3 Installing XE Core

This section describes how to install XE core by using the XE core setup file.

1. With a Web browser, access the path (www.example.com or www.example.com/xe), where the XE core setup file is uploaded.
2. When the **XE Installation** window appears, check **GNU Lesser General Public License(LGPL v2) Agreement**, and **Agreement on gathering installation environment information** if you agree with that, and click **I agree with the license**.


http://manual.dev.xpressengine.com/xe/
Xpress Engine
Version 1.5.0.8 XE Installation
Acceptance of terms
Check the installation conditions
Input FTP information
Choose database type
Input Database information
Settings
Enter Administrator information
GNU Lesser General Public License(LGPL v2) Agreement - Read Full Text
To use XE, you have to agree to this.
Agreement on gathering installation environment information
Information on 'web server, DBMS, PHP version and extension, XE modules and addons' is sent to the XE statistics collection server. This information is collected anonymously and used to improve our software only. You don't have to agree to this.
English
I agree with the license

Note

If this page has a broken image or is empty, you must upload the XE core setup file again.

3. Check to ensure all required setup conditions are marked as **Enable**, and click **Continue installation**.

   This window shows whether the minimum PHP version and the required libraries are installed. If any of the required setup conditions are not marked as Enable, check the error message and mark the item.

Note

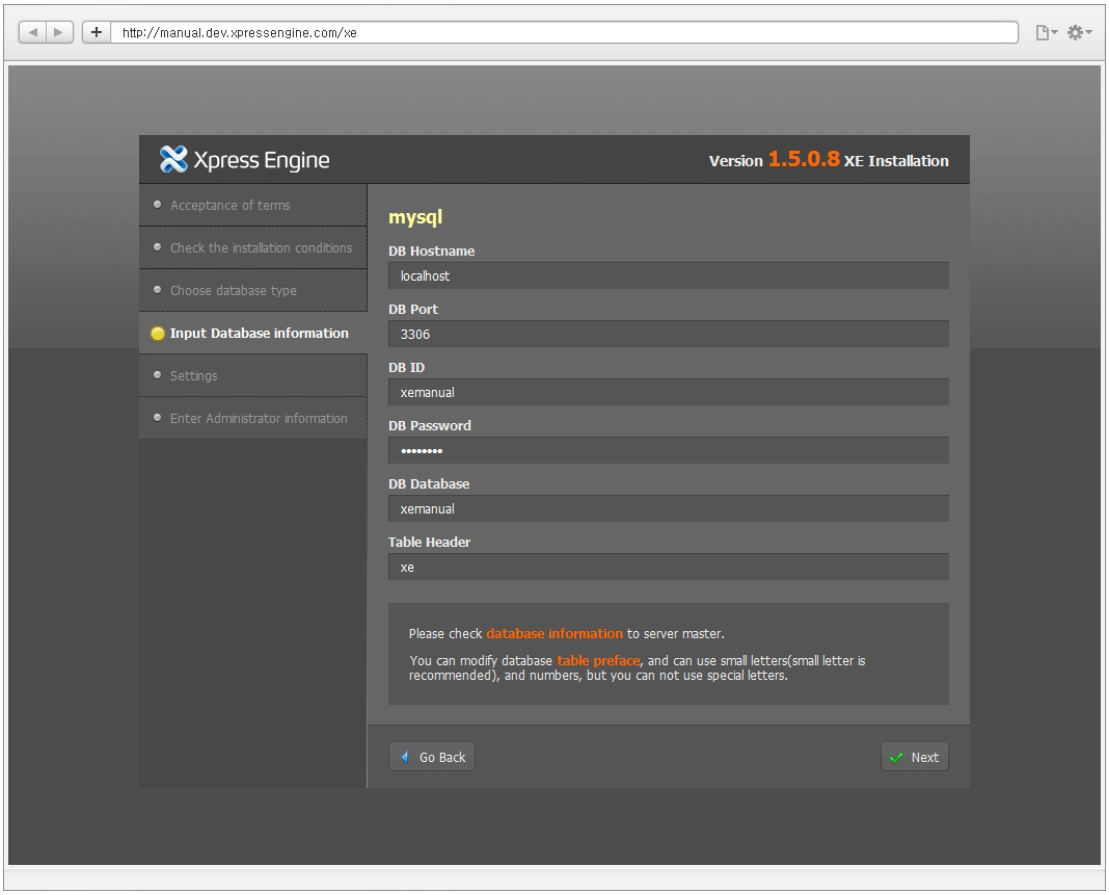
If **Permission** is marked as **Disable** due to a file permission settings error, see "Incomplete Permission Settings When Installing XE."

4. Select the DBMS to be used in XE, and then click **Continue installation**. In case of this document, select **mysql**.

Note

If there is no DBMS available in XE, all items will be deactivated. In this case, install the DBMS to be used, or ask your web hosting provider to install it.

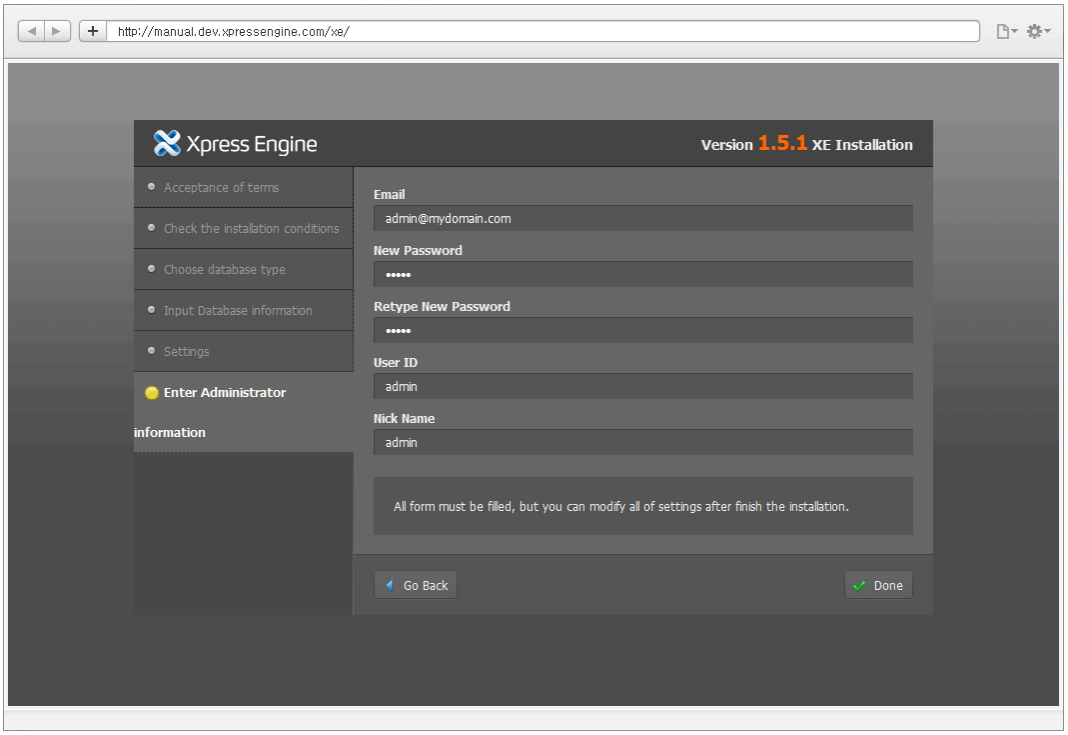
5. As shown in the figure below, enter the required information for DB, and click **Next**.



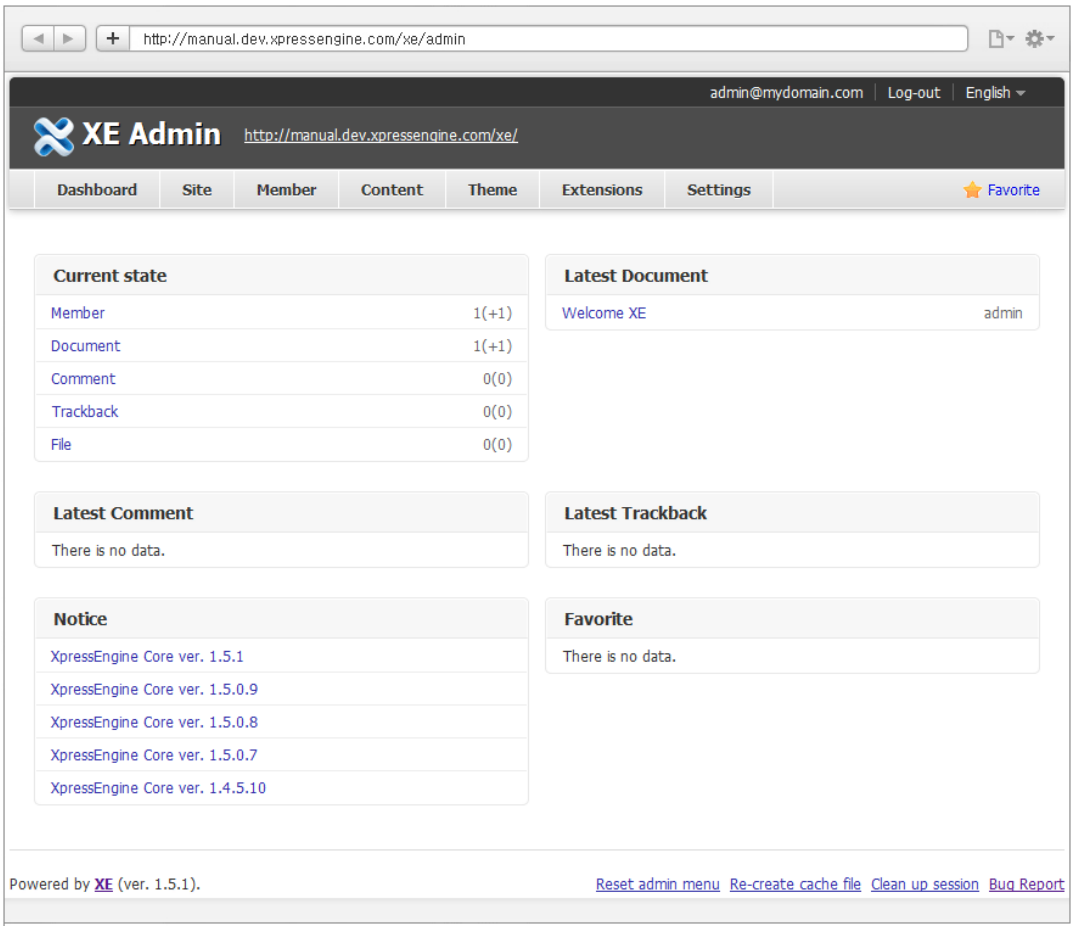
Note

If a problem occurs while you enter DB information, see "Incorrect DB Account Information."

6. Check whether to use **Rewrite mode**, and set the website's local standard time, click **Next**.
7. Enter the information for administrator. Since XE 1.5 or higher version uses an email address as login account, you need to enter the actual administrator's email address.



8. When the installation is completed, the XE's Index Admin Page will appear, as shown in the figure below:



2.4 Removing XE Core

If XE is no longer being used, delete all contents under the folder where XE is installed.

All data used for the administration of the website created by XE is stored in the database. If you want to delete all data, delete all DB tables used for the administration of your website. When you install XE again or transfer your server, you can reuse the data after migration.

For detailed information on how to delete or migrate data, see the usage of DBMS used for the administration of your website.

3. Menus of XE Core

This chapter explores each menu of XE core.

3.1 Index Admin Page

As shown in the figure below, open the XE Admin Page, enter the administrator account and log into the page. 'example.com' of the address below indicates the domain address where XE is installed.

- When using mod_rewrite: http://example.com/admin
- When not using mod_rewrite: http://example.com/index.php?module=admin

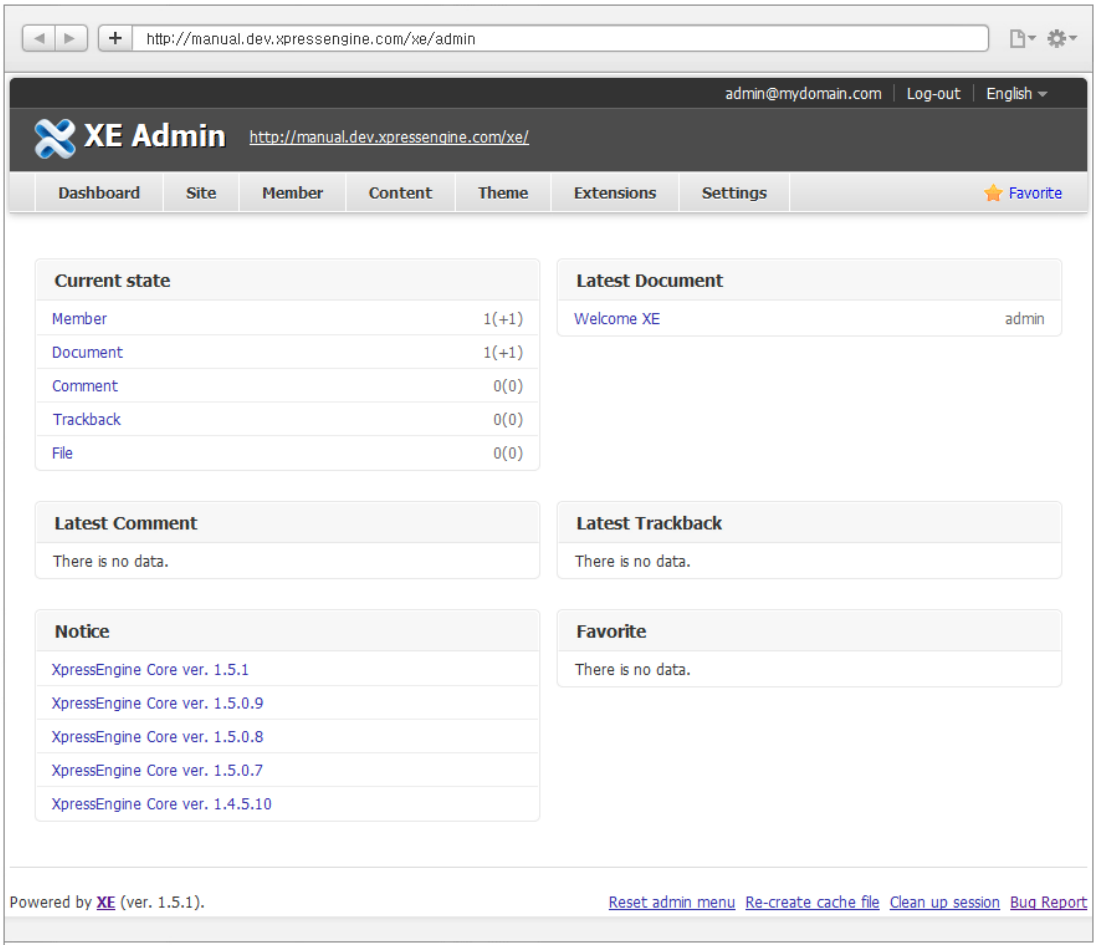


Figure 3-1 XE Admin Page

3.2 XE Administration Menu

This section describes the default menu available for the administrator.

3.2.1 Dashboard

This menu shows the XE Admin home, including current status of the website, latest trackbacks, notice and favorites.

3.2.2 Site

Site Map

This menu is used to build complete websites with no manual work by arranging created modules and connecting them to layouts through the convenient menu management. The menu only has the information to connect modules to layouts and show various types of menus through the layouts, and not to manage websites. When you add a menu, you can also create a module to connect with, and directly open the admin page of the module.

3.2.3 Member

Member List

This menu shows the list of members who registered in this website. This menu is used to create, edit and delete member information; for example, you can change member groups or block login of a member.

Member Setting

This menu is used to set the information required for member management, including Accept New Members and Signup Form.

Member Group

This menu is used to manage member groups; you can create, change or delete groups.

Point

You can grant points to members when they write, upload or download original posts or comments. In addition, you can set the level of groups, and set to upgrade the level based on points.

3.2.4 Contents

Document

This menu is used to manage documents registered on websites. You can see and delete document contents and check reported/deleted documents.

Comment

This menu is used to manage comments registered on websites. You can see and delete comments, and check reported comments.

Trackback

This menu is used to view the lists of trackbacks or links from outside the site. You can select whether to allow trackbacks or not. If trackbacks are not allowed, they cannot be received and will not be displayed even if you link them.

File

This menu is used to manage files attached to posts. You can delete the attached files as well.

Poll

This menu is used to manage polls registered on websites.

RSS

This can provide integrated Rich Site Summary (RSS) feeds composed of various modules created through XE. The default value is to use **Aggregated Feeds**. Integrated feeds are provided through the initial website window, and individual modules not allowed to open feeds are excluded from the RSS feed list. As in some modules, the default value of open feed is set to **Do Not Open**, you must check whether the **Open Text** item is set to **Open Full Text Feed** or **Open Feed Summary** in the **Additional Settings** of each module.

Multilingual

XE supports multilingual website; you do not have to create separate global websites. You can add words and sentences to Multilingual, and they are automatically applied to the website UIs and displayed when you change the language.

This menu manages the list of multilingual words and sentences; you can check the list and add new words or sentences.

Data Migration

This menu is used to import data from ZeroBoard 4, zb55beta or other program.

Trash

When you delete documents or comments, they are moved to Trash, not actually deleted from DB. The administrator can restore them or completely delete them.

3.2.5 Theme

Theme

Theme is a set of skins and layouts for modules currently installed. This menu shows all themes and modules installed in the website. When you select a theme, the module skin is changed to the selected theme (**No Selected XXX Skin** means that the selected theme does not support the module). When you save the theme setting, it is applied to the skin and layout information in all the module instances created in the website.

3.2.6 Extensions

Easy Install

This menu enables you to set up the extensions including modules, skins, layouts, and widgets on your website by connecting with the official website for XE. You do not need to download the source from the official website and upload it to your server.

Installed Layout

This menu is used to manage the layouts installed on the website. You can add, edit or delete instances.

Installed Module

This menu shows the installed modules. You can manage modules on the management page for each module. You can also set frequently used modules as Favorite so that you can conveniently use those modules by using Favorite menu on upper right side of the page.

Installed Widget

This menu shows the installed widgets. You can create code for each widget.

Installed Addon

This menu shows the installed addons. You can set whether to use each addon on PC and mobile device.

> **Note**
> Using XE core 1.5 or higher version, you can delete layouts, modules, widgets and addons installed by using Easy Install on the management page of **Extensions > Installed Layout, Installed Module, Installed Widget and Installed Addon**.

WYSIWYG Editor

This menu enables you to set the basic WYSIWYG editor and manage the editor component.

Spam Filter

This menu is used to identify spam posts or comments and block them. You can set IP addresses and keywords to ban.

3.2.7 Settings

General

This menu is used to set basic matters such as the default module for the site and the default language. It also enables you to set advanced matters such as IP address band that can access the Admin Page.

FTP Configuration

This menu is used to set user ID and password for FTP connection in order to use Easy Install.

Admin Setup

This menu is used to set title, logo and menus for the Admin Page.

File Upload

This menu is used to set the allowed formats and size of files to upload.

FileBox

This menu is used to manage FileBox, which contains images that can be reused by administrators. When you upload an icon for a member group, the image file is uploaded to the FileBox.

4. XE Extensions

This chapter describes types of extensions in XE, and how to install them.

4.1 Types of XE Extensions

The biggest advantage of XE is that XE enables you to operate websites more conveniently by adding diverse features. This section describes the extensions of XE. For information on how to install each extension, see "How to Install Extensions."

Module

A module in XE is a program. Multiple modules can be combined into a bigger module, and each module can operate independently. In short, modules are programs that are additionally installed to implement specific features on websites.

Bulletin board, CafeXE and Textyle can be considered the representative modules provided in XE.

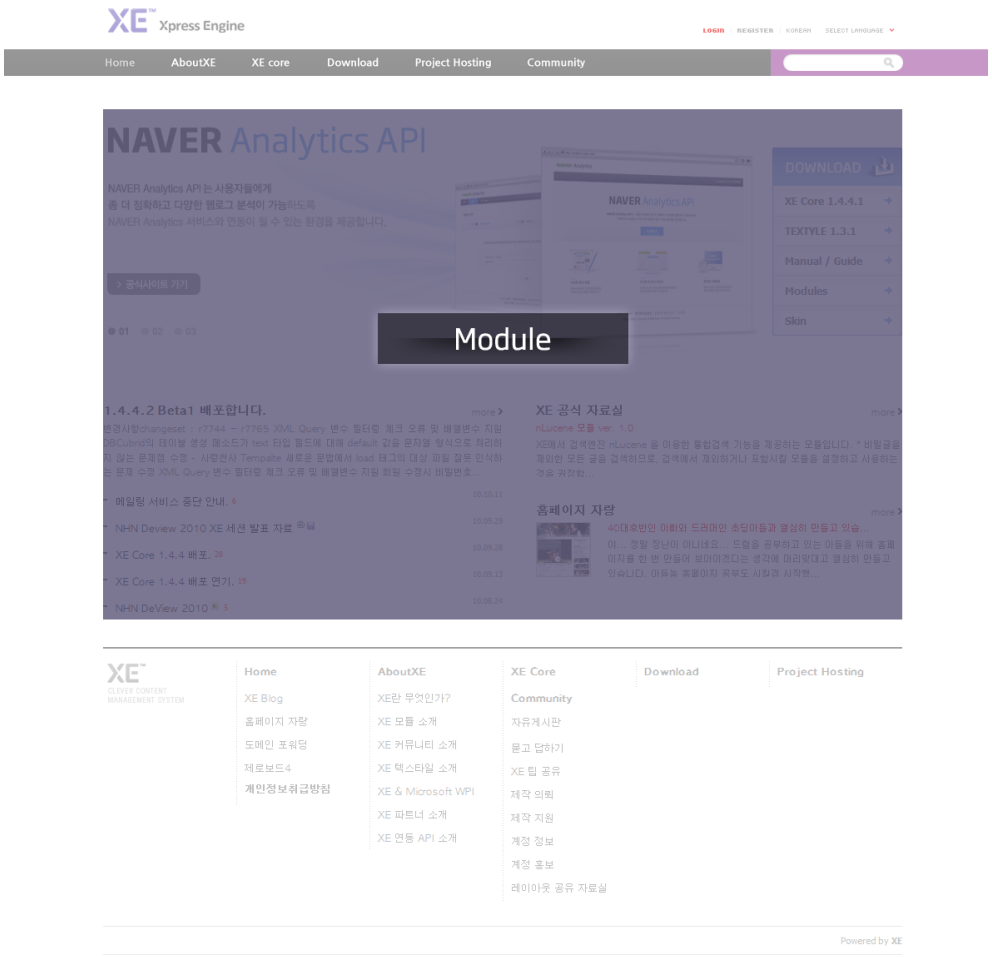


Figure 4-1 Modules

Addon

A small program that interrupts between the operations of modules and performs its own operations. In addition to modules, addons execute their own features by themselves. However, addons are different from modules in that they do not provide the execution results to outside.

Default counter and mobile XE are examples of the representative Addons provided by XE.

Widget

A widget is inserted into and operated in a layout or a page module. Widgets can display data already created in modules, or create its own data. For example, you can use a widget to display the list of the latest posts in the front page of your website. Language selection and login information display widgets are examples of representative widgets provided by XE.

Widget Style

A widget style is used to decorate a widget. If a skin decorates the output part of a widget, the widget style can be considered a skin for the appearance of a widget. By applying widget styles, you can add contents, such as titles and other links, to widget blocks as well as change their appearance.

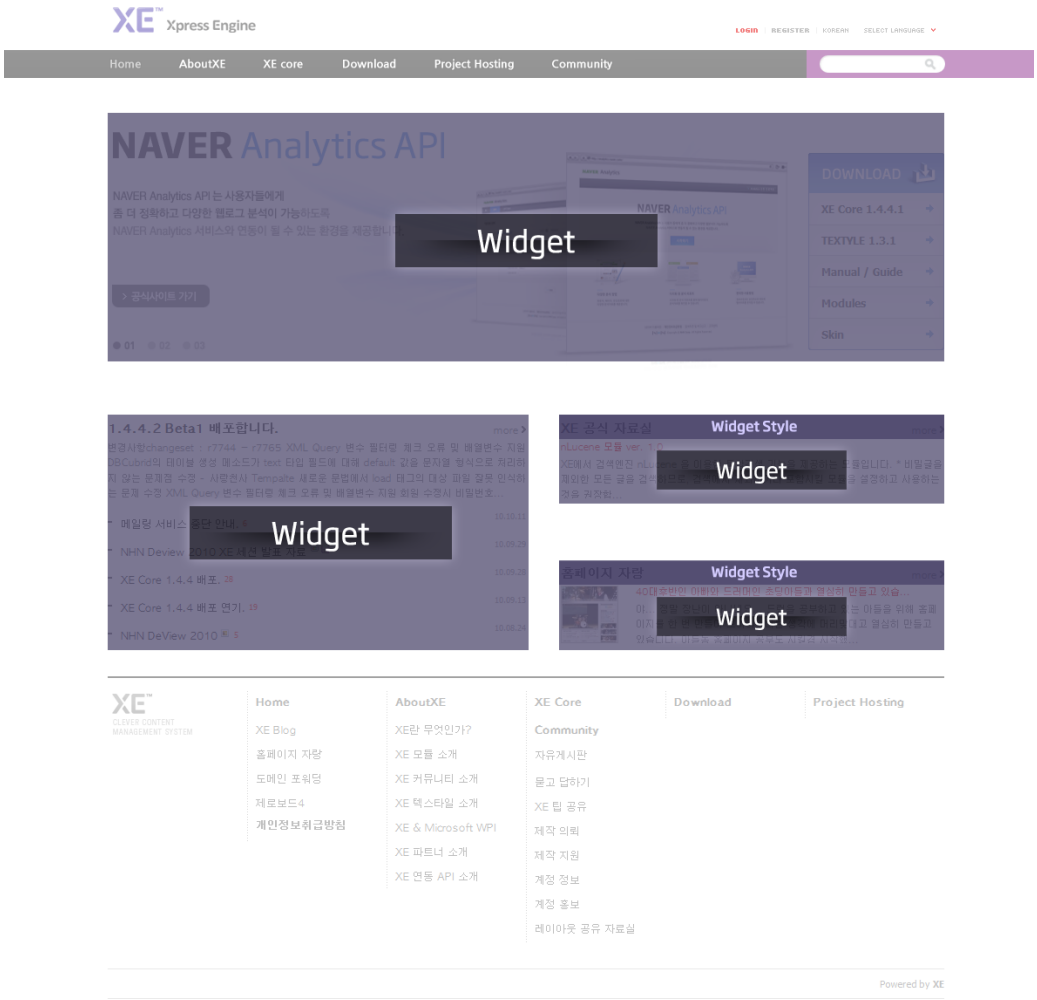


Figure 4-2 Widget and Widget Style

Skin

A skin is the design of programs installed in websites. In other words, a skin can be considered as the clothing of a program (modules or widgets).

The XE official website provides various skins for each program. Appropriate use of these skins will make you operate a better website that reflects your unique personality.

Layout

After installing various extensions on your website, you must arrange them on the screen appropriately. The layout is responsible for this screen arrangement. A layout has a very close relationship with extensions such as modules and widgets. As the layout cannot display any content without those extensions, nothing is displayed in the screen. If, in the other hand, a program is installed but there is no layout, the screen will also remain blank or empty because each element will not know where it is to be displayed.

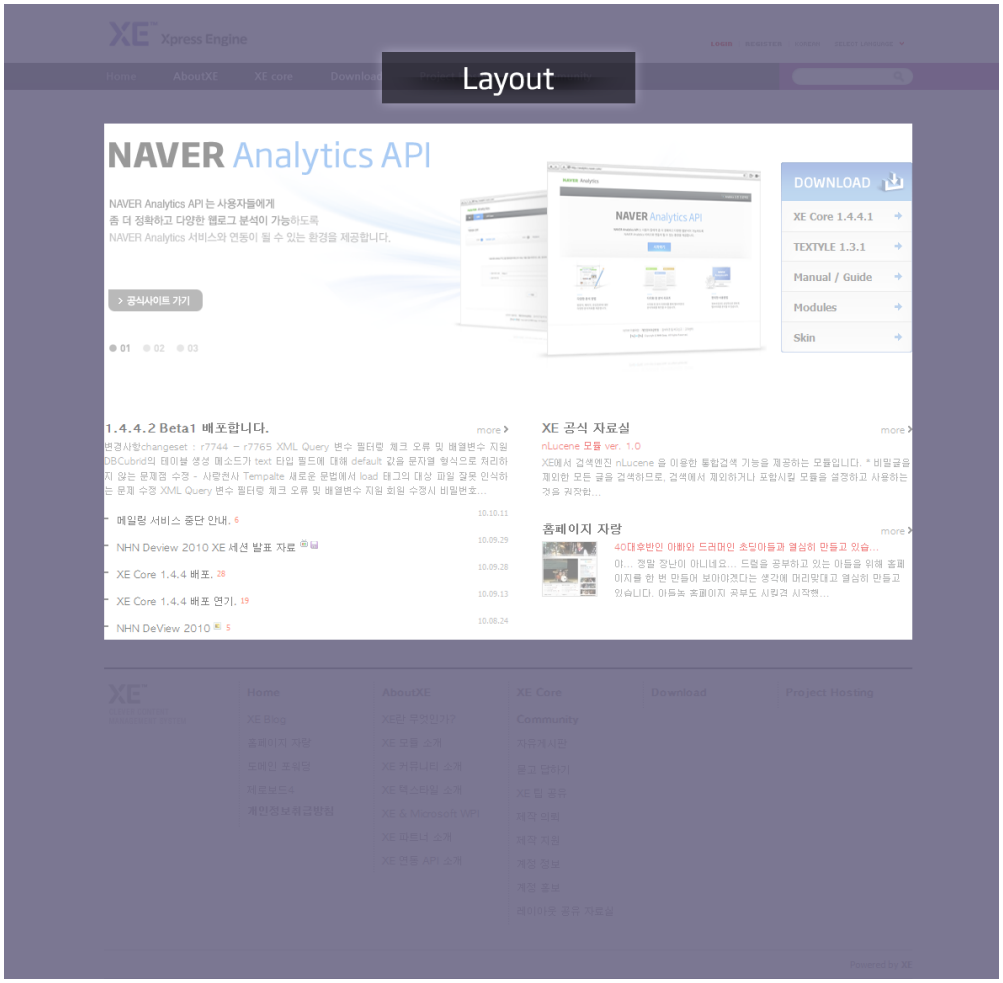


Figure 4-3 Layout

4.2 How to Install Extensions

Various extensions can be installed in XE in two ways: Uploading source files to the server where XE is installed after downloading the files from the official XE website, and using Easy Install provided by XE core.

> **Note**
>
> Installing extensions in XE means transferring the source codes of the extensions into the operating server. In short, the contents to be displayed in the actual website cannot be created through the installation of the extensions alone. For more information on how to create extensions and make them interwork with websites, see "Creating Websites."

4.2.1 Installing Extensions by Uploading Source Files

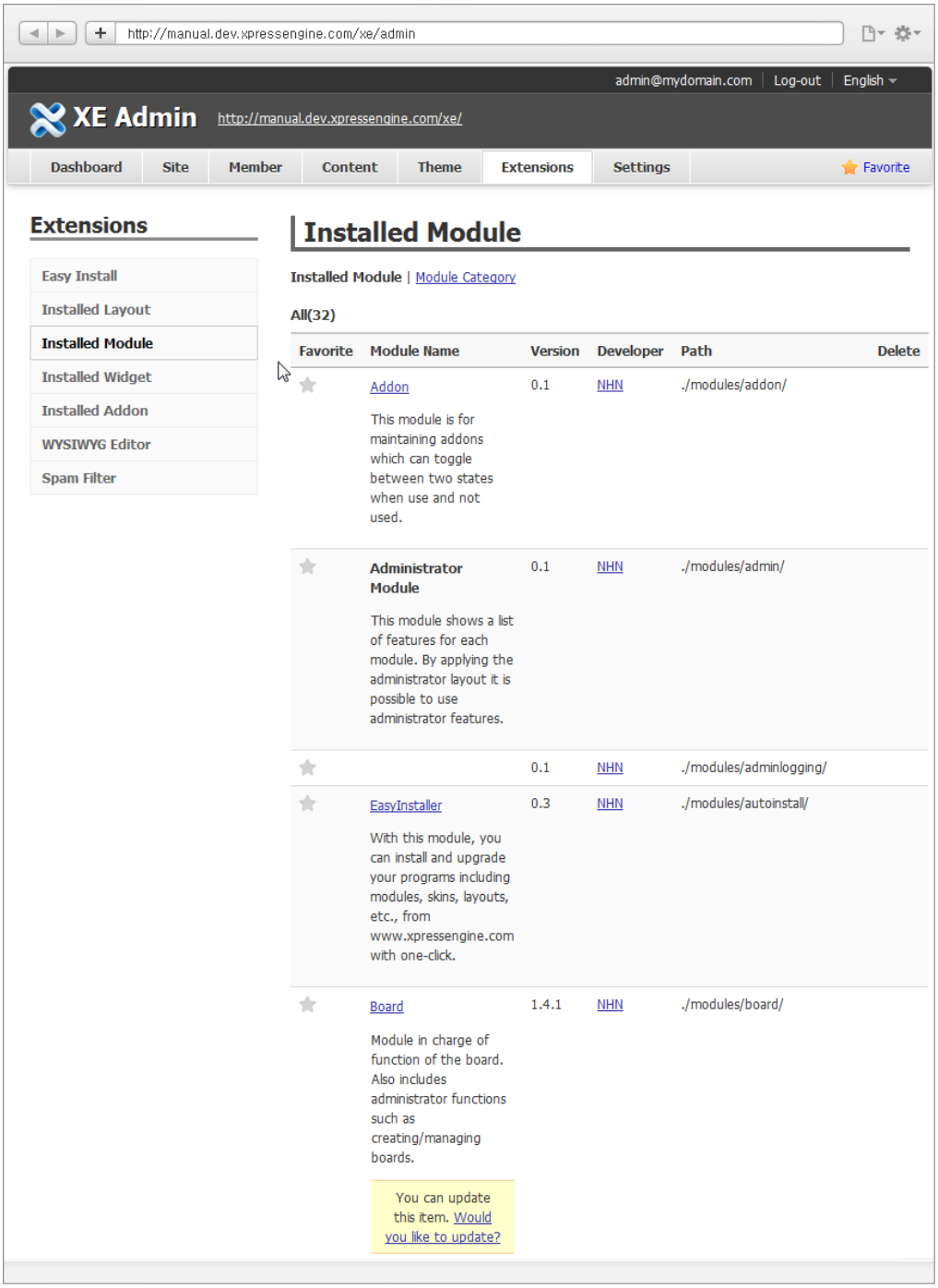
You can download source files for extensions from the XE official website, and upload them to the server where XE is installed.

> **Note**
>
> Please understand that this document was originally prepared for the users who use XE's Korean official website. We will soon release a new document for worldwide users of global website.

For example, to install a bulletin board module by uploading source files, do the following.

1. Access the archive of the XE official website (http://www.xpressengine.com/download).
2. Select one of the bulletin board modules and download it to My Computer.

3. Extract the bulletin board module from the zip file you have downloaded. When the extraction is complete, a directory called 'board' is created.
4. Move the extracted 'board' directory to the './modules' directory under the XE installation path. All modules are installed in the '/modules' directory under the XE installation path.
5. Select **Extensions > Installed Module** and check if the board module is added as shown in the figure below.



6. Click **Would you like to update?** to complete the installation.

4.2.2 Installing Extensions by Using Easy Install

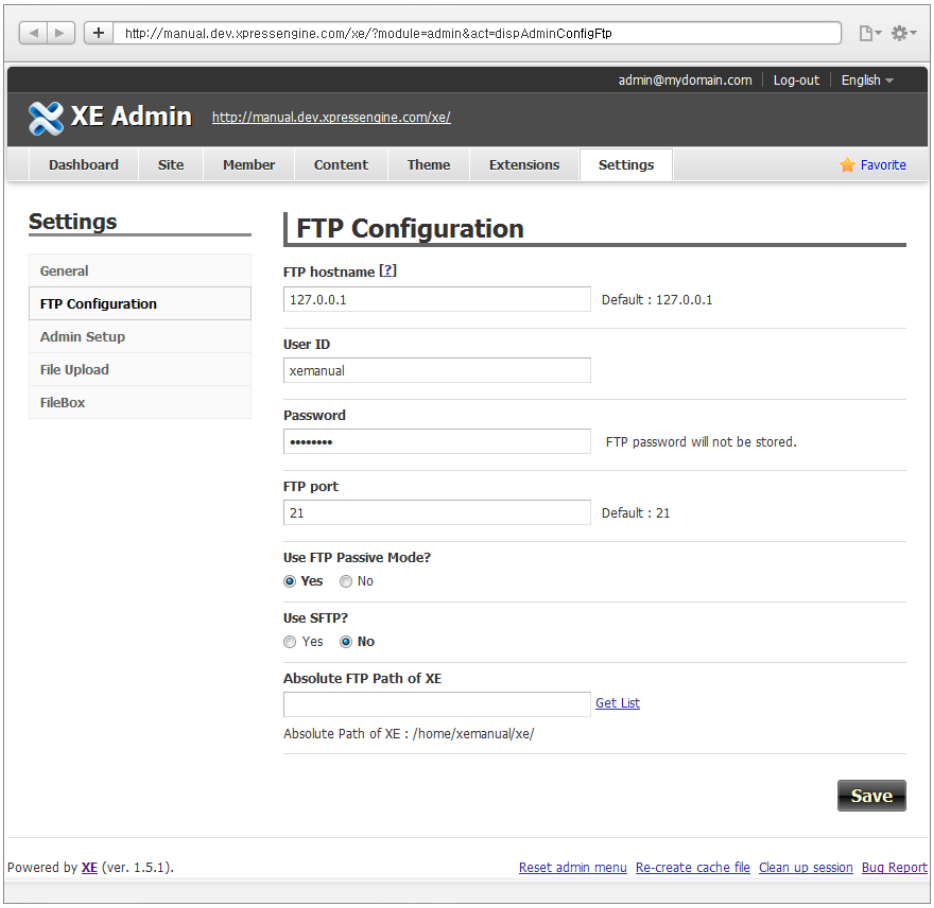
Setting FTP

To install extensions by using Easy Install, you must set the account to use Easy Install. The procedure used to set an account is as follows:

1. Click **Settings > FTP Configuration** on the XE Admin Page.
2. Enter the information for FTP connection as shown below:
   - **FTP hostname**: The host address which the server where XE is installed will access. Unless otherwise specified, XE components are usually installed in the server where XE is installed. Therefore, enter *localhost* or *127.0.0.1*.
   - **User ID**: A user ID for the server
   - **Password**: A password for the user ID
   - **FTP port**: By default, the FTP port number is set to 21, but it may vary depending on the server. If the port number is not 21, contact your server administrator.
   - **Use FTP Passive Mode?**: This feature enables you to use FTP service normally even when clients (web server to be used) are behind a firewall. To get FTP connections to work through a firewall, select **Yes**. Therefore, to use Easy Install, the server must support the FTP Passive mode.
   - **Use SFTP?**: The data transferred via FTP is not encrypted. Using SSH File Transfer Protocol (SFTP) enables you to use Easy Install more safely. You can use SFTP only when the related PHP module is installed.
   - **Absolute FTP path of XE**: FTP path indicates the absolute path to the location where the XE source code exists. Enter the absolute FTP path. For example, if the account for XE installation and FTP setting are 'xemanual' and the path to XE source is '/home/xemanual/xe', you must enter the absolute FTP path of the xemanual user, which is */xe/*.

Note

To enter a home directory, you must add '/' to the end of the directory path.



3. Click **Get List**, and if you can get list with no error, click **Save**.

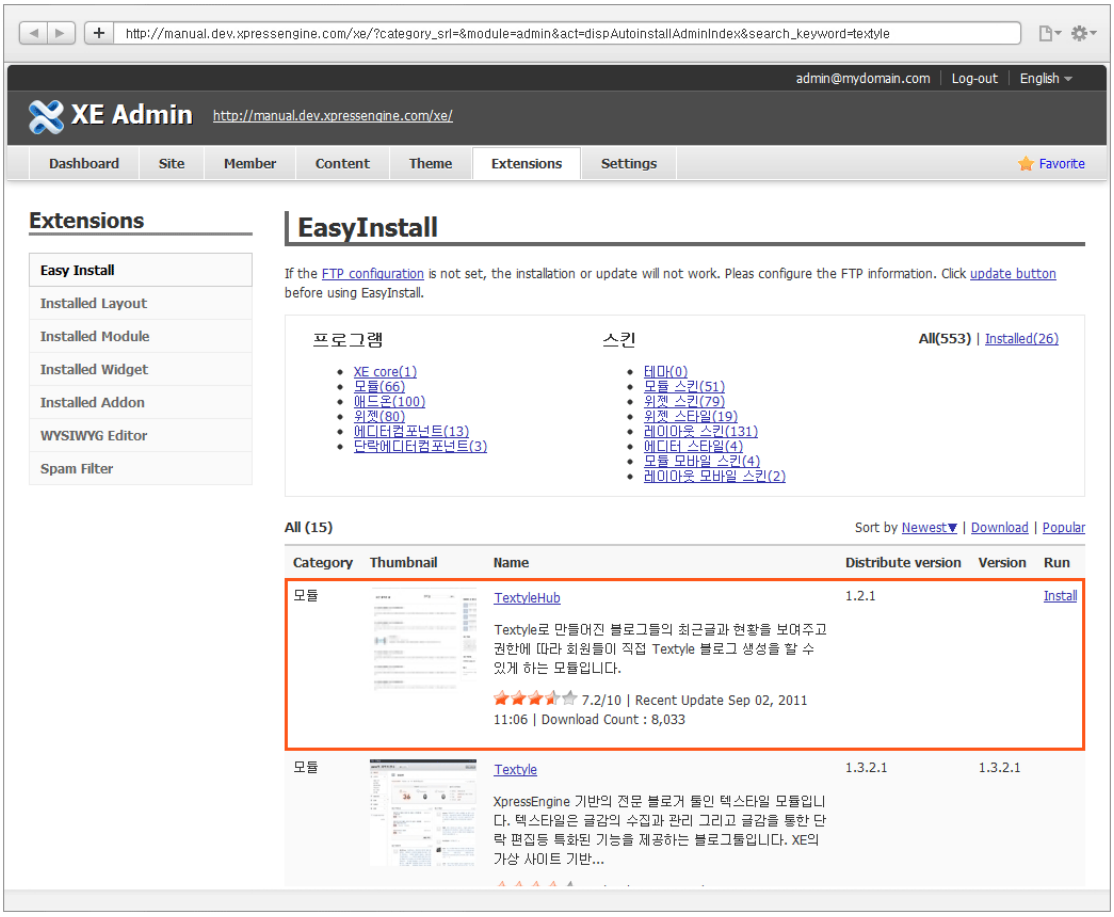
Now, the account setting to use Easy Install is completed.

> **Note**
>
> If any error related to FTP home directory occurs during the execution of Easy Install, see "FTP Home Directory Inaccessible during Easy Install."

Using Easy Install

For example, the procedure used to install the Textyle module through Easy Install is as follows:

1. Click **Extensions > Easy Install** on the XE Admin Page.
2. Find the Textyle module and click **Install** at the right side of the module description. When the module is installed completely, Install button disappears.


http://manual.dev.xpressengine.com/xe/?category_srl=&module=admin&act=dispAutoinstallAdminIndex&search_keyword=textyle
admin@mydomain.com | Log-out | English
XE Admin
http://manual.dev.xpressengine.com/xe/
Dashboard
Site
Member
Content
Theme
Extensions
Settings
Favorite
Extensions
Easy Install
Installed Layout
Installed Module
Installed Widget
Installed Addon
WYSIWYG Editor
Spam Filter
EasyInstall
If the FTP configuration is not set, the installation or update will not work. Pleas configure the FTP information. Click update button before using EasyInstall.
프로그램
XE core(1)
모듈(66)
애드온(100)
위젯(80)
에디터컴포넌트(13)
단락에디터컴포넌트(3)
스킨
테마(0)
모듈 스킨(51)
위젯 스킨(79)
위젯 스타일(19)
레이아웃 스킨(131)
에디터 스타일(4)
모듈 모바일 스킨(4)
레이아웃 모바일 스킨(2)
All(553) | Installed(26)
All (15)
Sort by Newest▼ | Download | Popular
Category
Thumbnail
Name
Distribute version
Version
Run
모듈
TextyleHub
Textyle로 만들어진 블로그들의 최근글과 현황을 보여주고 권한에 따라 회원들이 직접 Textyle 블로그 생성을 할 수 있게 하는 모듈입니다.
7.2/10 | Recent Update Sep 02, 2011 11:06 | Download Count : 8,033
1.2.1
Install
모듈
Textyle
XpressEngine 기반의 전문 블로거 툴인 텍스타일 모듈입니다. 텍스타일은 글감의 수집과 관리 그리고 글감을 통한 단락 편집등 특화된 기능을 제공하는 블로그툴입니다. XE의 가상 사이트 기반...
1.3.2.1
1.3.2.1

5. Creating Websites

This chapter describes how to create websites by installing various extensions. While XE enables you to create various types of websites, this chapter only describes how to create basic websites and Cafe and blog type websites.

5.1 Creating a Basic Website

This section covers how to create a simple and basic website to display three boards, menus linked with each board and the latest posts on the main page.

The complete website that will be created in this section is shown in the figure below.

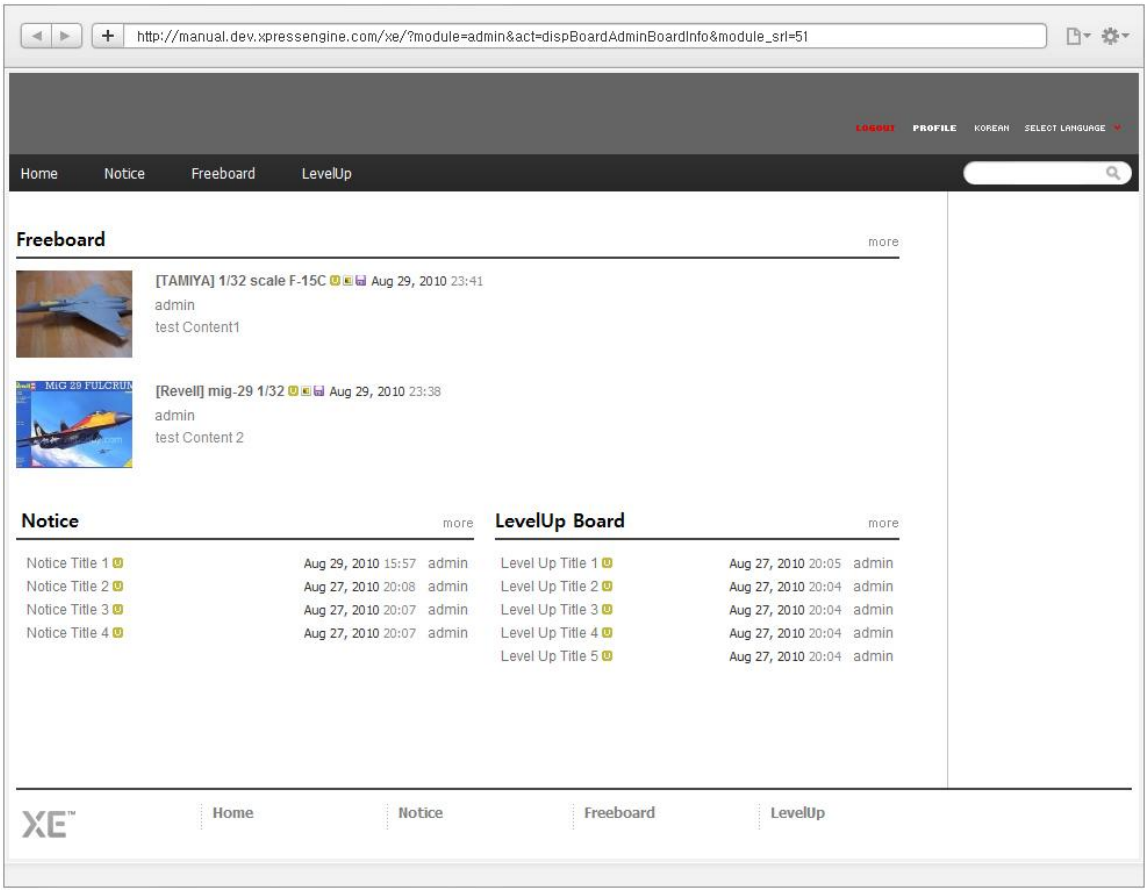


Figure 5-1 Basic Website

5.1.1 Installing Extensions

Installing a Layout

Install a layout module before creating a website.

1. Move to Easy Install window by clicking **Easy Install** at the top left of the XE Admin Page.
2. From the layout skins, search for 'XE official Ver2,' and click **Install** at the right side.

> **Note**
> You can also install extensions by uploading source files with no use of Easy Install. For more information, see the example "Installing Extensions by Uploading Source Files."

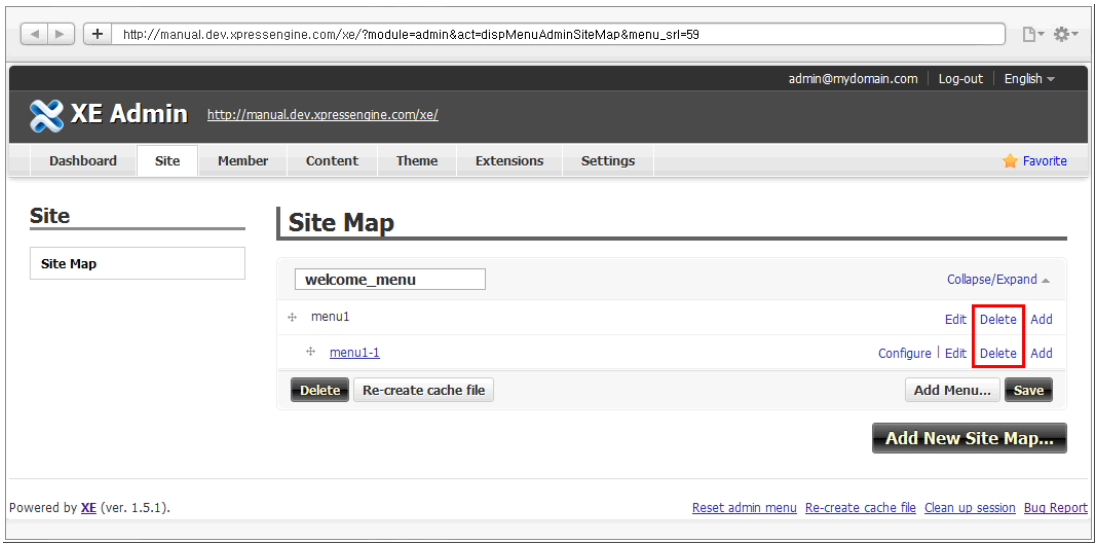
Installing a Board Module

Install the board module. For more information on installing modules, see "How to Install Extensions."

5.1.2 Managing Site Map

You can create and manage modules of your website using **Site Map** menu. Let's create Home, Notice, Freeboard and LevelUp board menus, and connect them with each board or page.

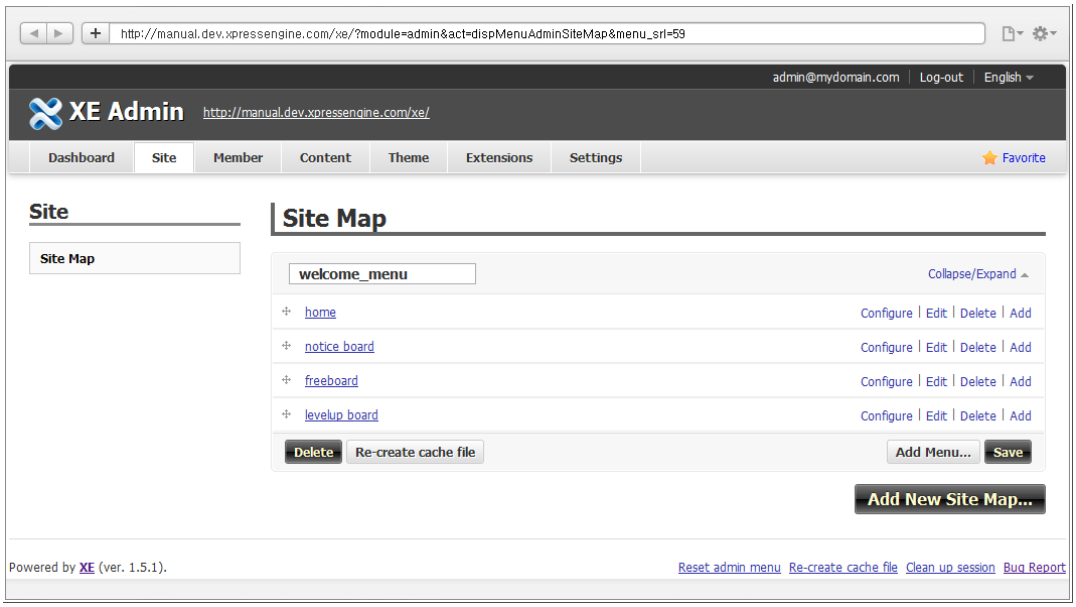
1. Click **Site > Site Map** from the menu in the XE Admin Page.
2. You can use **welcome_menu**, which is automatically created when you install XE. First of all, delete menu1-1 and menu1.



3. Click **Add Menu**.
4. When Add Menu window appears, enter *Home* for **Menu Name**, select **Create Module** for **Module or URL** and **Page > Widget Page** for **Select Module**. Enter *home* for **Create Module ID** and click **Save**. Then, you can see that the **Home** menu is added under the **welcome_menu**.
   - **Menu Name**: A name for menu. The name may contain all letters and numerals without limitation.
   - **Module or URL**: Contents to be connected with the new menu.
     - **Create Module**: Create a new module.
     - **Select Module**: Select one from the existing modules in my website.
     - **Menu URL**: Connect to the external link (including 'http://')
   - **Create Module ID**: A name used to access the relevant module. The name may contain letters and numerals, but it must start with a letter. In addition, the name must not duplicate the name of another board or page. Since the module name is the name of the page to be displayed in the address bar of a web browser, you must use alphabets and numbers only.

   You can see that the window is converted into the **Boards List** tab and **Freeboard** has been added to the list.
5. Create the remaining three menus, notice board, freeboard and levelup board in the same order as the above procedure.
   - notice board: Set **Menu Name** to *notice board*, select **Create Module** and **Board** for **Module or URL**, and set **Create Module ID** to *notice01*, respectively.
   - freeboard: Set **Menu Name** to *freeboard*, select **Create Module** and **Board** for **Module or URL**, and set **Create Module ID** to *freeboard01*, respectively.
   - levelup board: Set **Menu Name** to *levelup board*, select **Create Module** and **Board** for **Module or URL**, and set **Create Module ID** to *levelup01*, respectively.

You can see that the four menus have been created in the **Site Map** page as shown in the figure below.

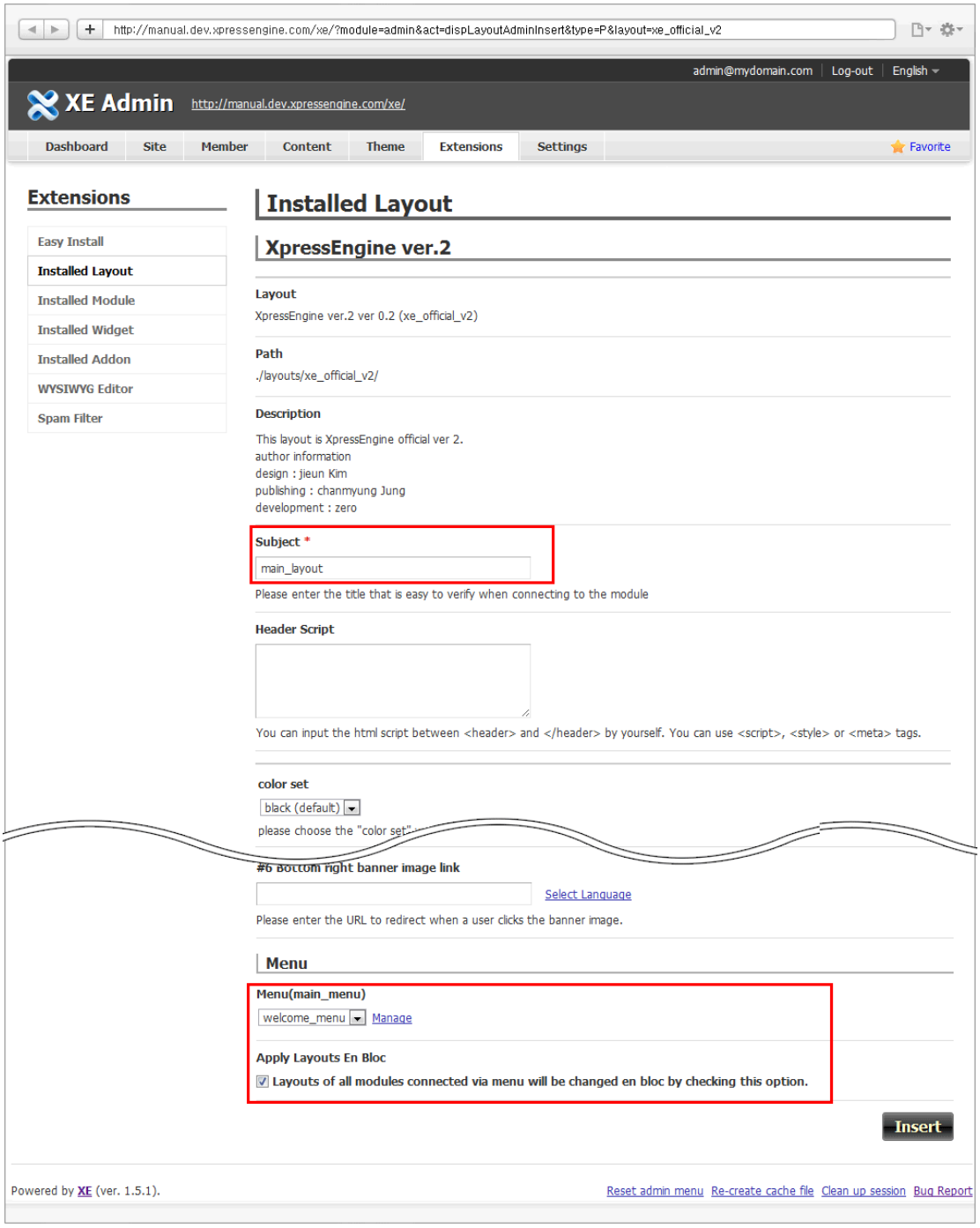


5.1.3 Creating a Layout

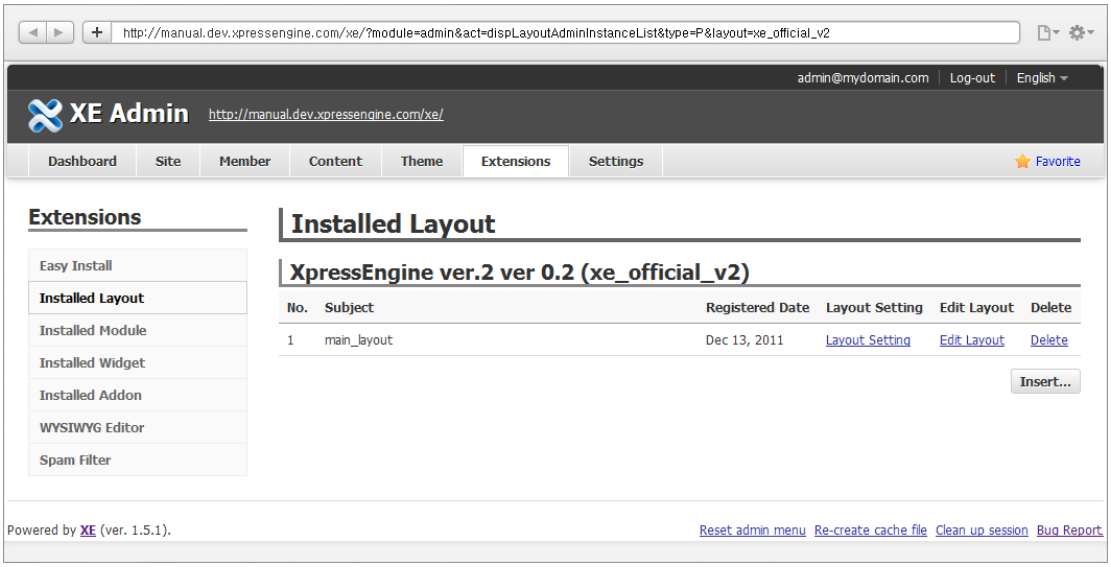
After creating modules and menus, you need a layout to display them in the screen. Create layouts in "Installing a Layout", and integrate them with menus.

When creating XE layouts, you provide diverse screen effects by changing various settings. The procedure used to create layouts is as follows:

1. Select **Extensions > Installed Layout** in the XE Admin Page.
2. Click **XpressEngine ver.2** layout previously installed.
3. Click **Insert** at the bottom right of the list.
4. Set the following items in the page of inserting layout, check **Apply Layouts En Bloc** and click **Insert** at the bottom right of the window.
   - **Subject**: *main_layout*
   - **Menu: welcome_menu**



5. Check whether the 'main_layout' has been added to the layout list as shown in the figure below.

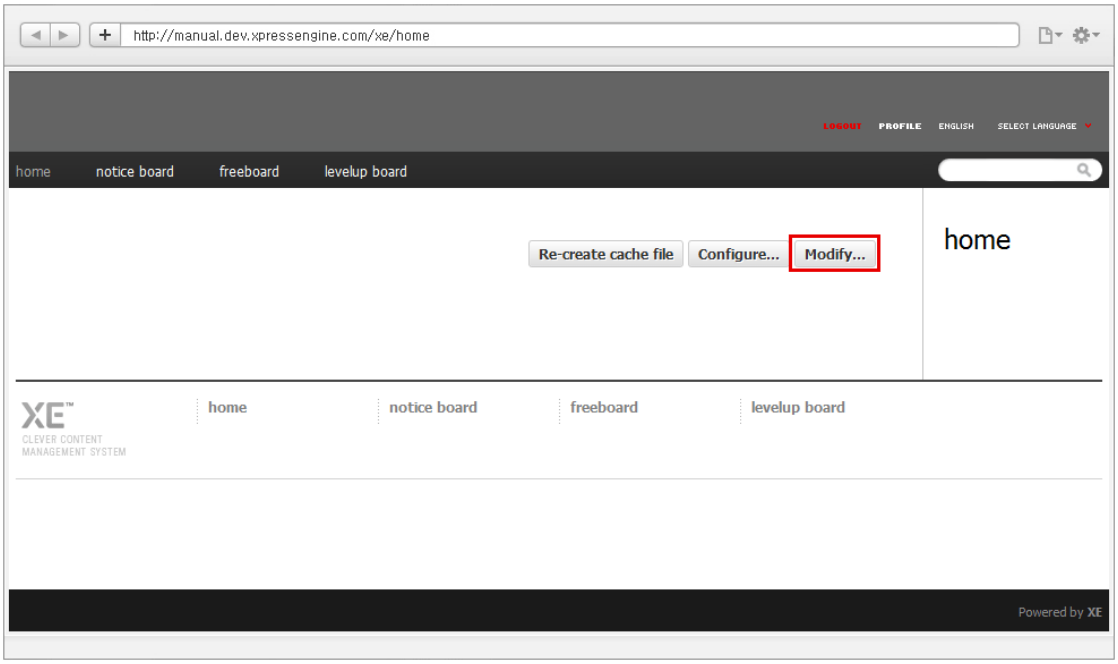


Since the layout has been created, set this layout to the three boards previously created. Now, you can check the contents of each board through your web browser.

5.1.4 Modifying a Page

This section describes how to modify a page to view the latest posts in each board.

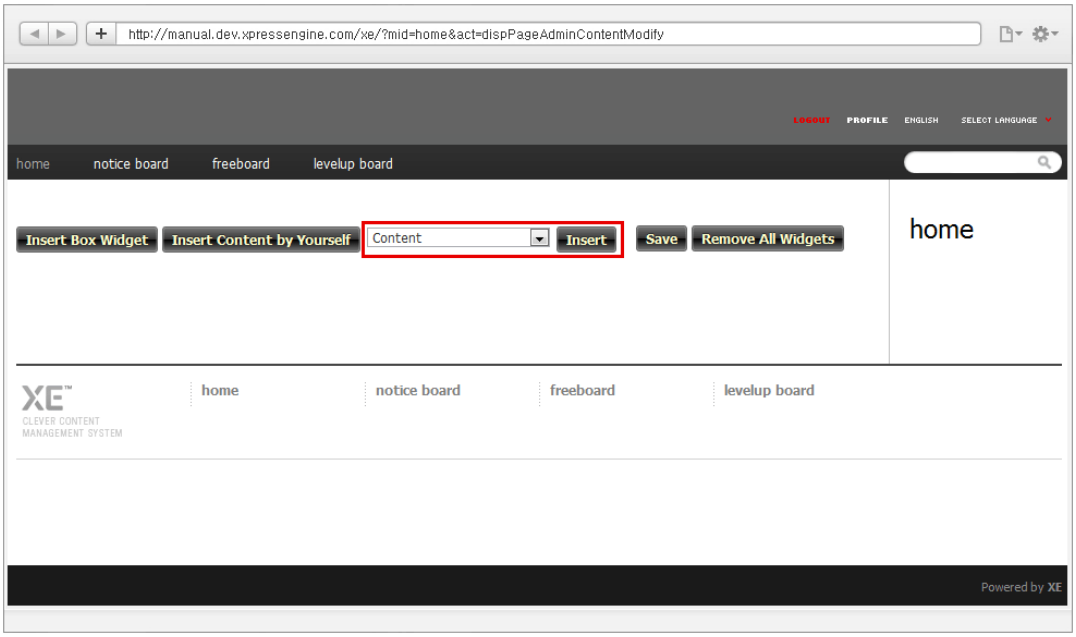
1. Select **Extensions > Installed Module** from the XE Admin Page.
2. Click **Page** module.
3. Click the contents of **Browser Title**.
4. When the created page is displayed, click **Modify** at the right side of the window.



> **Note**
>
> If you access the page with the administrator authority, **Re-create cache file**, **Configure**, **Modify** buttons are displayed to edit or set the contents of the page. If you cannot see these buttons, check whether you are logged in as an administrator.

To display the latest posts on a page, you will need a widget to display contents. At first, let's create widget to display the contents of the Freeboard.

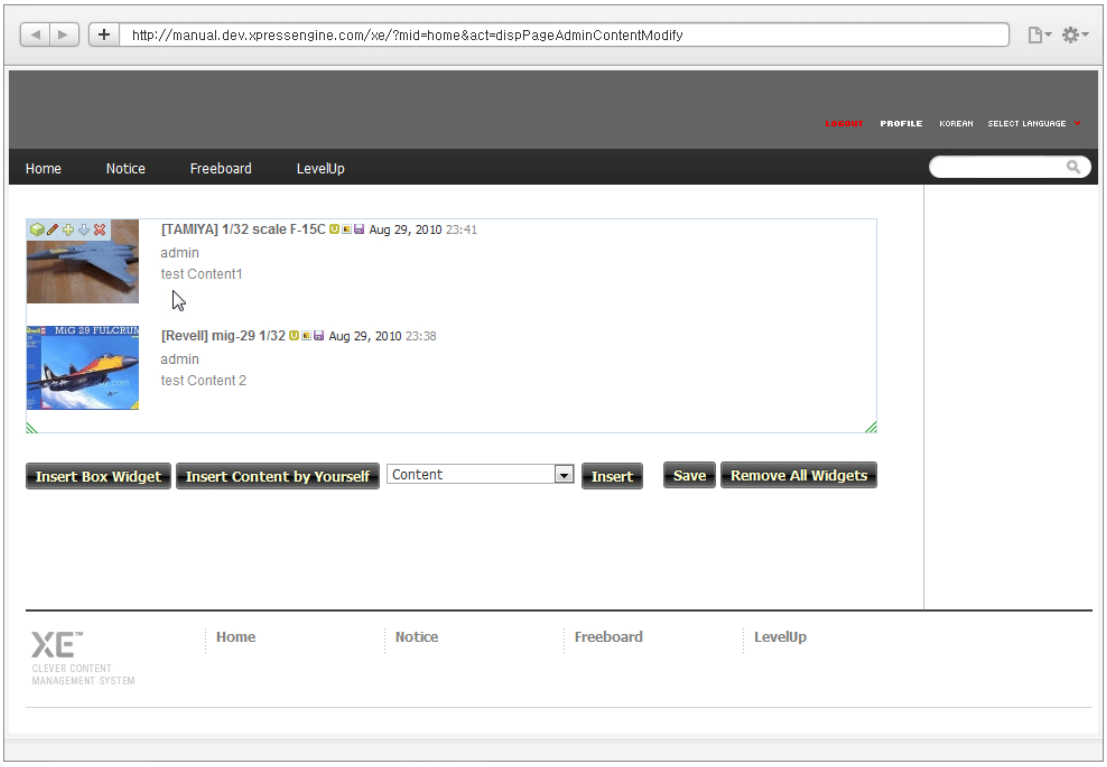
5. If the Modify window appears as shown in the figure below, select **Content** and click **Insert**.



6. When the **Generate Code** window appears, enter the required items and click **Generate Code**.
   - Widget: Content ver 0.1
   - Theme: Content widget default skin (default)
   - Cache: 5 min
   - Target: (Do not change)
   - Content Type: Image + Title + Content
   - Tab Type: None
   - Display Target and Order: title, regdate, nickname, content
   - Display Article Name: No Display
   - Comment Count: Display
   - Trackback: Display
   - Category: Display
   - Icon: Display
   - Target to be sorted: Newest Submitted Order
   - Sorting Type: Descending order
   - Thumbnail Type: Crop
   - Width of Image: 100

- Height of Image: 75
- Number of Images: 5
- Number of Lists: 5
- Page: 1
- Duration of indication for new item: 12
- Length of Subject: 0
- Length of Content: 100
- Target Module: Click **Insert**, search for the 'board' in the **Module Selector** popup window and select **Freeboard**.
- HTML Display Type: Table

If the widget has been created, you can see the window as shown in the figure below.



Note

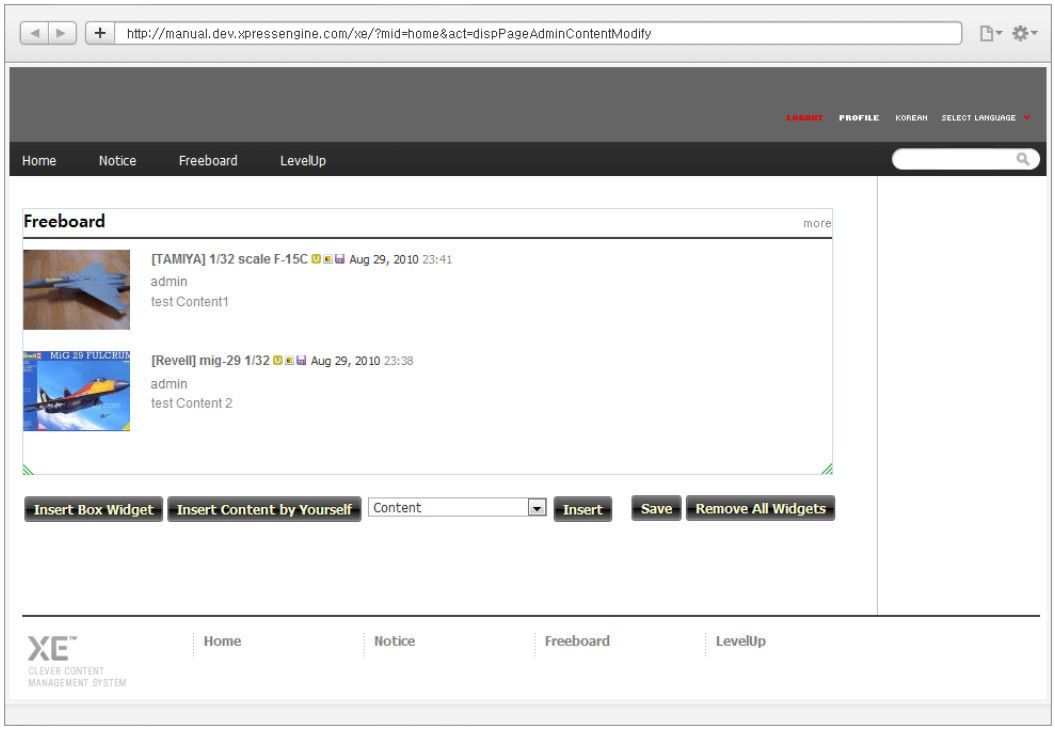
If there is no post on the boards, no contents appears in the widget. To check the contents of the widget, you must write posts on each board for test in advance.

Let's apply a widget style in the upper part of the widget to insert names and links that enable you to move to the boards.

7. Move your mouse cursor over the added widget area, and click the Add Widget Style icon ( ) from the icon menus displayed at the top left of the widget area.
8. If the Widget Style popup window appears, select **Simple Strong** as the widget style to be applied and click **Configure**.
9. If the Configure Widget Style window appears, set as follows:
   - Colorset: White
   - Title: Freeboard

- more URL: Enter the URL of the corresponding board. Since the module name of the Freeboard is freeboard01, enter http://xeInstallation Path/freeboard01
- more text: It indicates the text to move to the board integrated with widget. In case of this example, specify as *more*.

10. Check if the widget style is applied to the widget of the Freeboard as shown in the figure below.



11. Create widgets to be connected with the remaining two boards and apply widget styles.

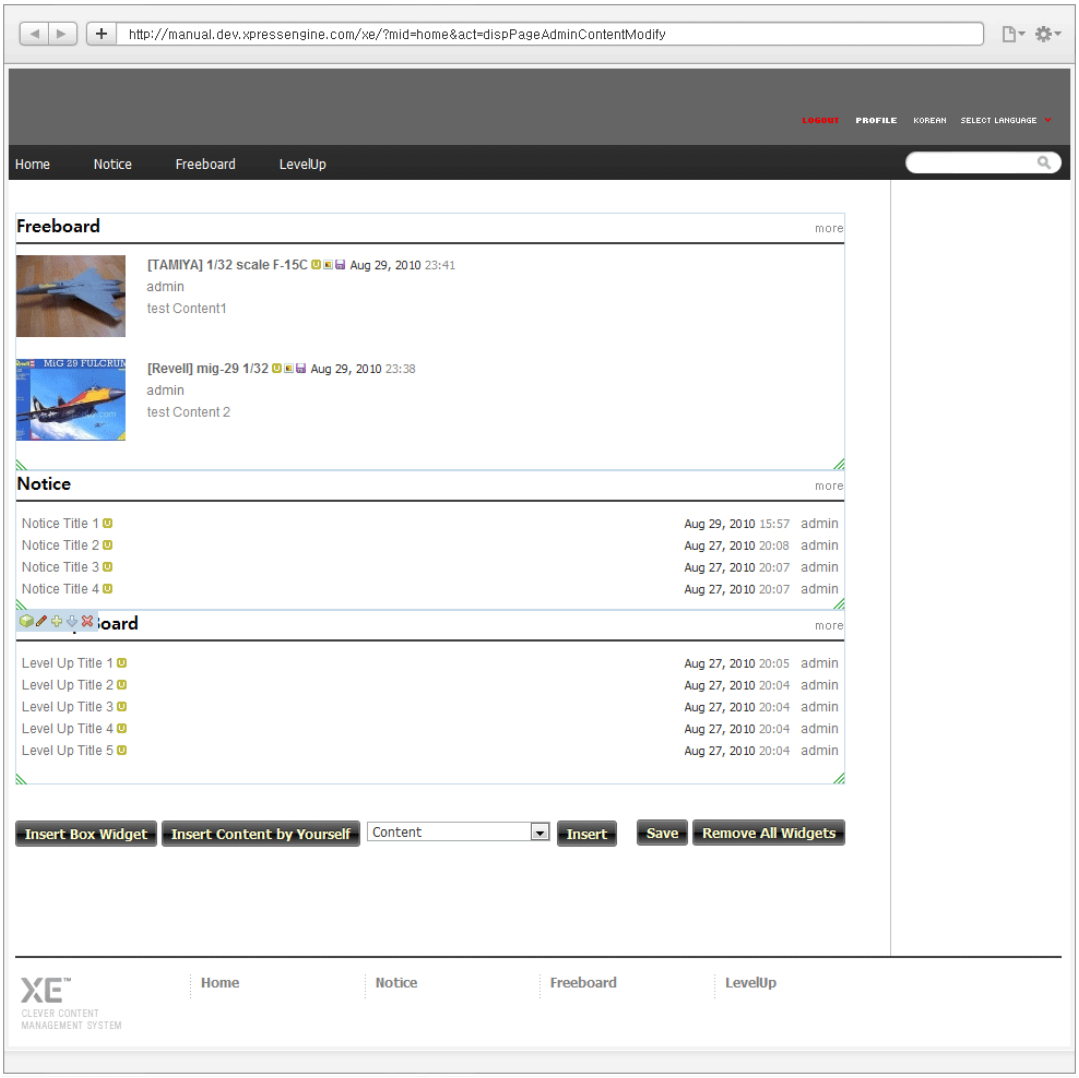
    Since all contents to be entered when creating code for Notice are the same as those entered when creating Freeboard widgets only excluding the setting information below, create the code for Notice referring to the widget creation process for Freeboard.

    - Content Type: Image + Title + Content
    - Display Target and Order: title, regdate, nickname
    - Target Module: Click **Insert** and select **Notice** for **Module** in the **Module Selector** popup window.

    All contents to be entered when creating LevelUp Board code are, also, the same as those entered when creating Freeboard widget only excluding the setting information below.

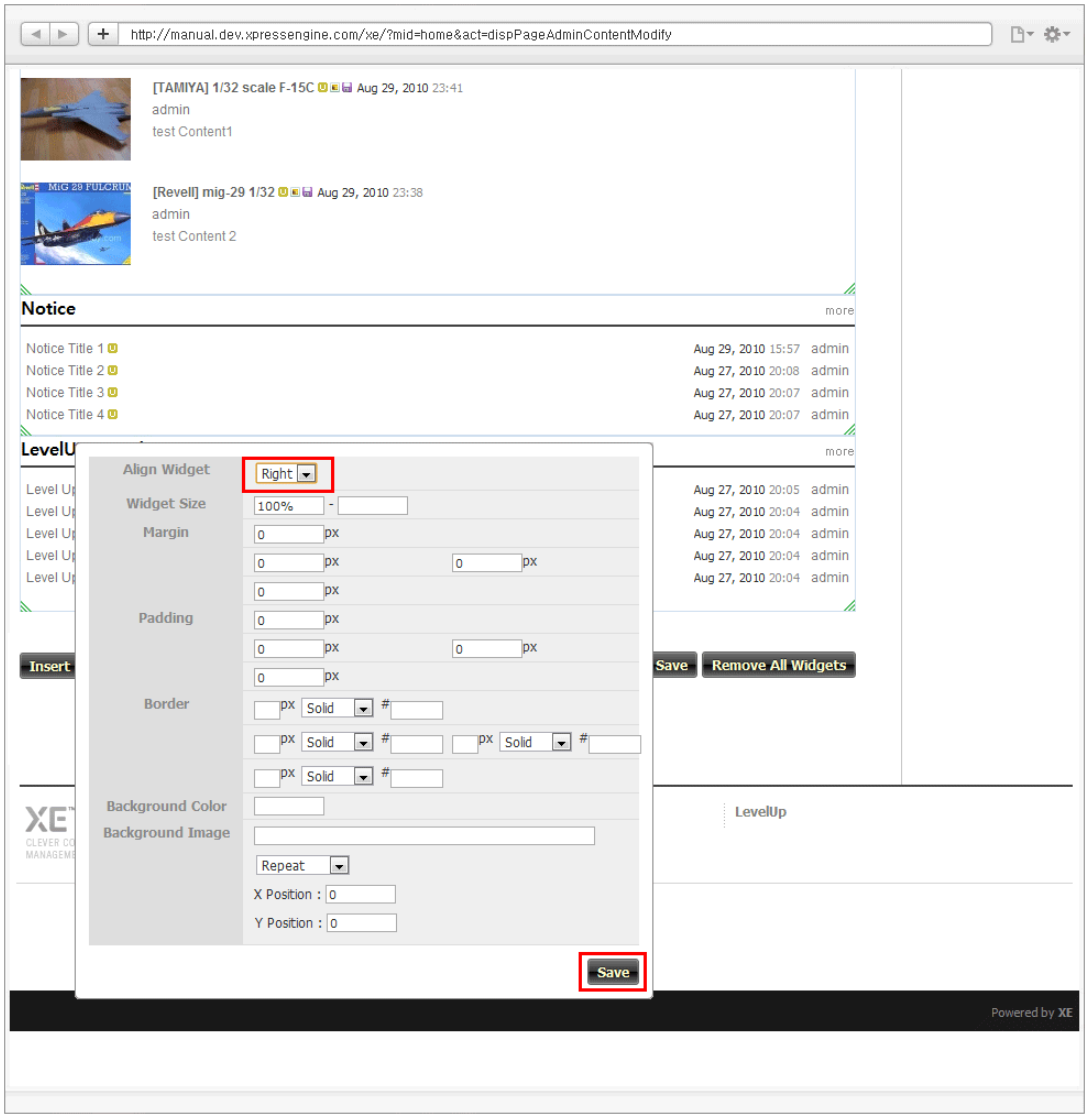
    - Content Type: Image + Title + Content
    - Display Target and Order: title, regdate, nickname
    - Target Module: Click **Insert** and select **LevelUp Board** for **Module** in the **Module Selector** popup window.

12. Check if three widgets are added as shown in the figure below. However, the widget contents may vary depending on the posts.

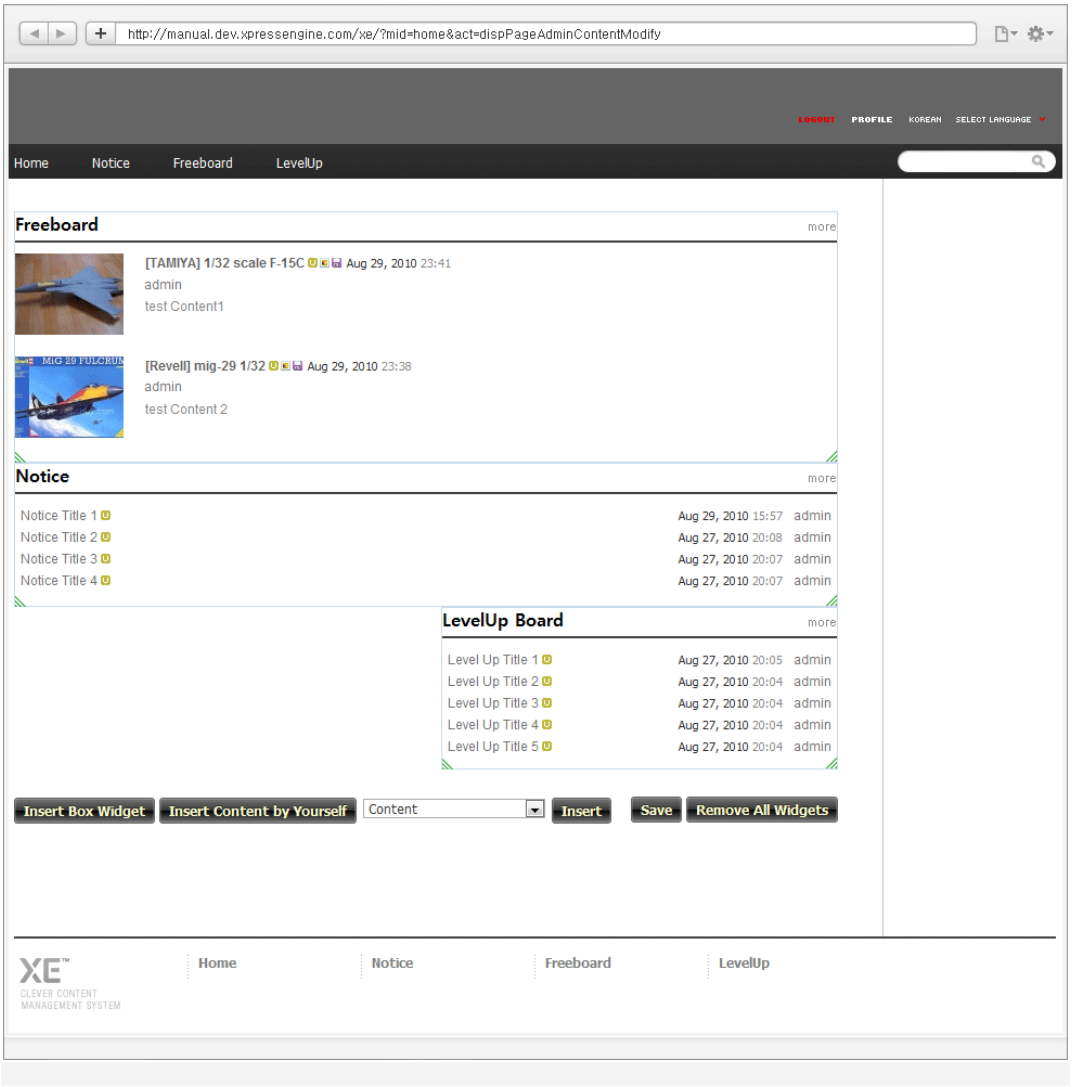


If the widgets are completely created, arrange them again. In this example, leave the widget for Freeboard and arrange the widgets for Notice and LevelUp Board side by side under the widget for Freeboard.

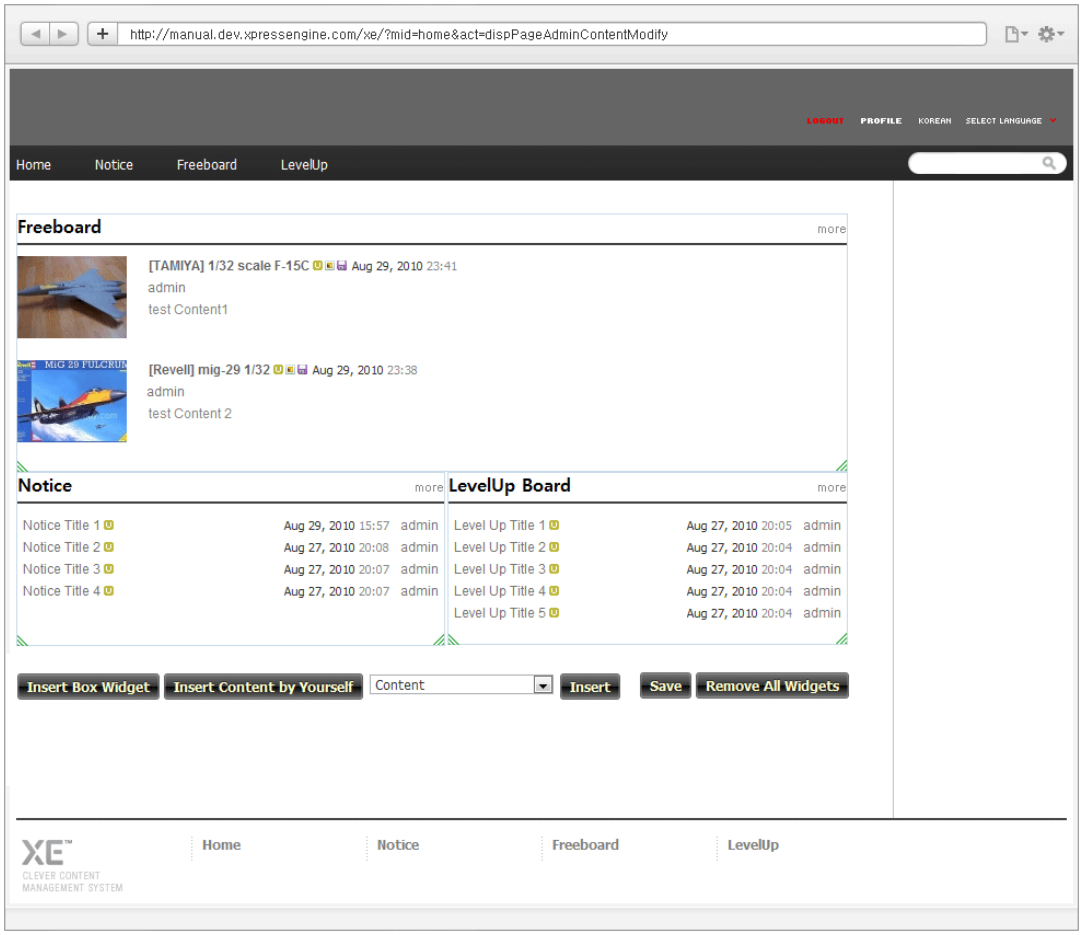
13. Move your mouse cursor over the added widget area, and click Arrow icon ( ) from the icon menus displayed at the top left of the widget area.
14. If the Set Widget window appears as shown in the figure below, change the attribute of **Align Widget** into **Right** to make enough space to place the Notice widget in the left side of the LevelUp Board and click **Save**.



15. Drag the Resize Handle icon ( ) in the lower left of the LevelUp Board and move to the right direction until the horizontal size of the widget is reduced by about 1/2.



16. Drag the Resize Handle icon ( ) in the lower right of the Notice widget to the left direction to reduce its size. If the horizontal width of the Notice widget becomes smaller than the empty space of the left side of the LevelUp Board, they are arranged side by side.
17. If the arrangement is completed as shown in the figure below, click **Save** from the menu at the bottom right.


http://manual.dev.xpressengine.com/xe/?mid=home&act=dispPageAdminContentModify
LOGOUT
PROFILE
KOREAN
SELECT LANGUAGE
Home
Notice
Freeboard
LevelUp
Freeboard
more
[TAMIYA] 1/32 scale F-15C Aug 29, 2010 23:41
admin
test Content1
[Revell] mig-29 1/32 Aug 29, 2010 23:38
admin
test Content 2
Notice
more
Notice Title 1 Aug 29, 2010 15:57 admin
Notice Title 2 Aug 27, 2010 20:08 admin
Notice Title 3 Aug 27, 2010 20:07 admin
Notice Title 4 Aug 27, 2010 20:07 admin
LevelUp Board
more
Level Up Title 1 Aug 27, 2010 20:05 admin
Level Up Title 2 Aug 27, 2010 20:04 admin
Level Up Title 3 Aug 27, 2010 20:04 admin
Level Up Title 4 Aug 27, 2010 20:04 admin
Level Up Title 5 Aug 27, 2010 20:04 admin
Insert Box Widget
Insert Content by Yourself
Content
Insert
Save
Remove All Widgets
XE
CLEVER CONTENT MANAGEMENT SYSTEM
Home
Notice
Freeboard
LevelUp

5.2 Creating a Cafe Type Website

CafeXE module is used to distribute cafes to members in a website. It enables you to manage administrator and members for each Cafe and operate the cafes by integrating different types of XE modules. If you want to distribute and manage cafes, build your website referring to the description below.

Note

Since you can create virtual websites and distribute Cafe type and blog type websites (see the next section) to desired users, you can build specialized websites.
The virtual website is the feature to use web pages created in XE as separate websites different from the default websites of XE. This feature will give an opportunity to operate virtual websites with settings different from XE default websites.
You can manage the virtual website through separate management pages for each virtual website. In addition, you can hand over the authority for virtual website management page to another user to distribute the virtual website. CafeXE and Textyle create and manage individual Cafes and blogs with this virtual website functionality.

The completed Cafe type website to be created in this section is shown in the figure below.

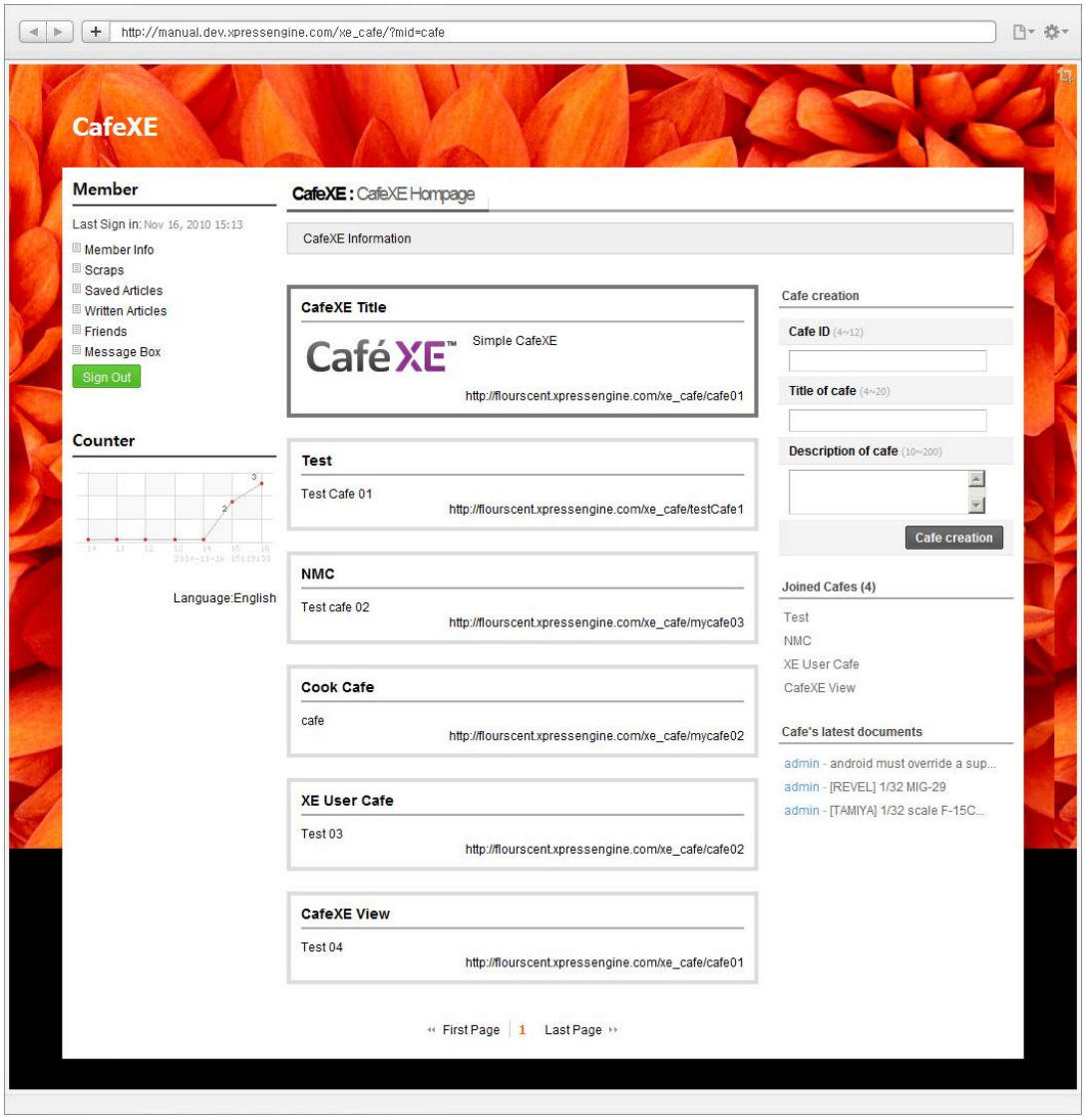


Figure 5-2 Cafe-Type Website Main Page

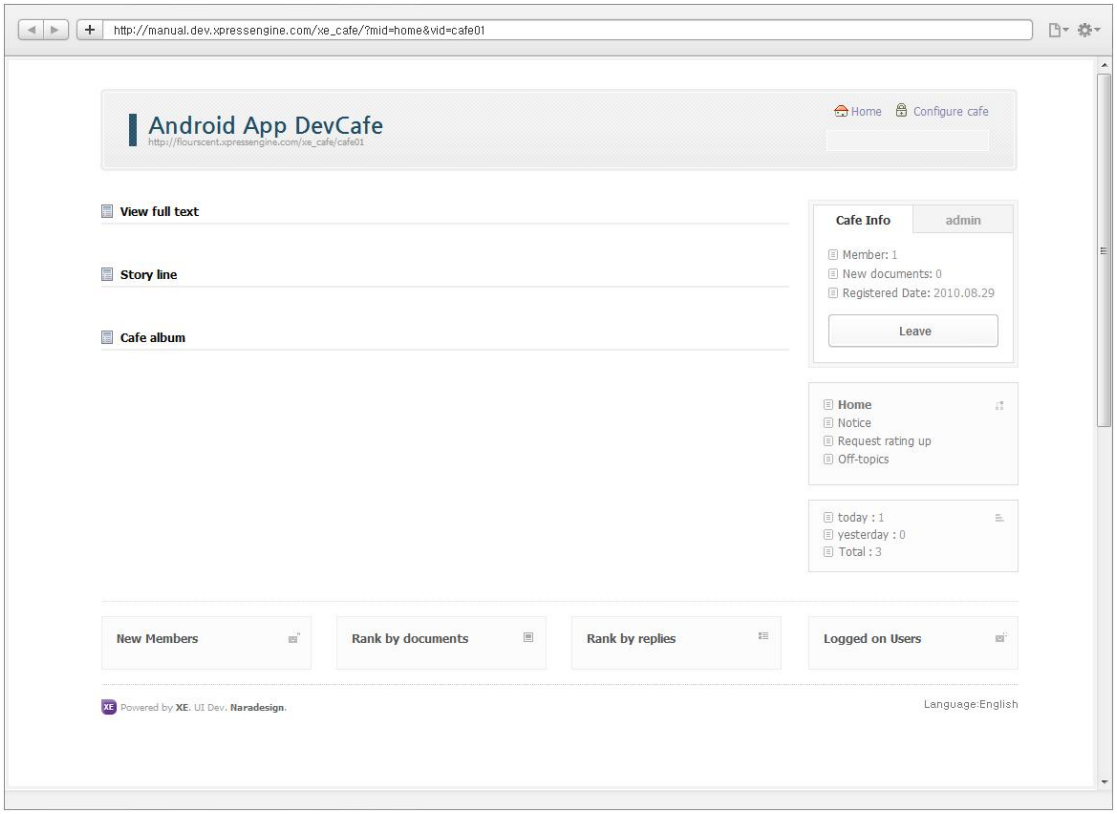


Figure 5-3 Individual Cafe

5.2.1 Installing Extensions

In this section, you need the following modules, layouts and skins for the construction of a Cafe type website. For more information, see "How to Install Extensions."

Installing Modules

To build a Cafe type website the following modules are required:

- CafeXE module
- Board module
- Navigator widget
- Image counter widget (image_counter)
- Site information ver. 0.1

Installing Layouts

The following layout and skin are used for the creation of the Cafe type website:

- CafeXE Layout ver.0.1
- Login_info Widget Default Skin ver.0.1

> **Note**
>
> If installing CafeXE through **Easy Install**, you can use CafeXE more easily because the required programs are automatically installed.

5.2.2 Creating Café Hub Layouts

Creating a Café Hub Layout

1. Click **Extensions > Installed Layout** in the XE Admin Page.
2. Click **XE Café Official Layout**.
3. Click **Insert** at the bottom right of the layout list.
4. Enter *Cafe Hub Layout* to the **Subject** field and click **Insert**. A new layout is created.

Checking CafeXE Management Menus

Select **Extensions > Installed Module** and click **CafeXE**, and the **CafeXE Management** page appears.

> **Note**
>
> Click **Favorite** ( ) next to a module on the installed module list, and the module is displayed on the **Favorite** (Favorite) at the top right of the page.

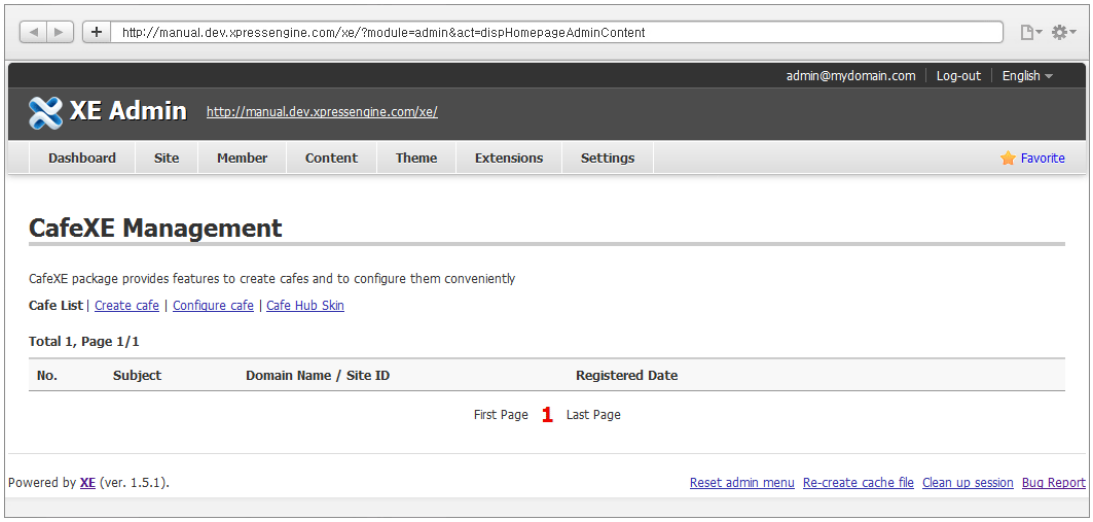


Figure 5-4 CafeXE Management Page

The CafeXE Management page is composed of four tabs as follows:

- **Cafe List**: You can see the list of the created individual cafes.
- **Create Cafe**: You can create new cafes.
- **Configure cafe**: You can configure the access IDs for Cafe's main screen and manage the settings required for individual Cafe website.
- **Cafe Hub Skin**: You can build the main page screen of CafeXE. This menu is used to enter the title and description of the main page and introduce specific cafes.

5.2.3 Creating a Café

You can create a cafe as follows:

1. Click **Create Cafe** on the **CafeXE Management** page.
2. Set the followings and click **Create a cafe**.
   - **Title of cafe**: Name of a Cafe to be created. Enter *CafeXE Introduction Cafe*.

- **Access Type**: ID to access the corresponding Cafe. Since this example does not use a separate domain, select **With Site ID** and enter *cafe01*.

Note

You can access a website in two ways:

- **With Domain Name** enables you to create and connect with a sub-domain of the domain where XE is installed and use additional domain address in use (example: http://domain.example.com).
- **With Site ID** enables you to create a mid (module ID) like a separate module that is installed in XE and link it to a sub-page of the current website (example: http://www.example.com/ID). At this time, the mid must not be the same as that of other modules installed in XE.

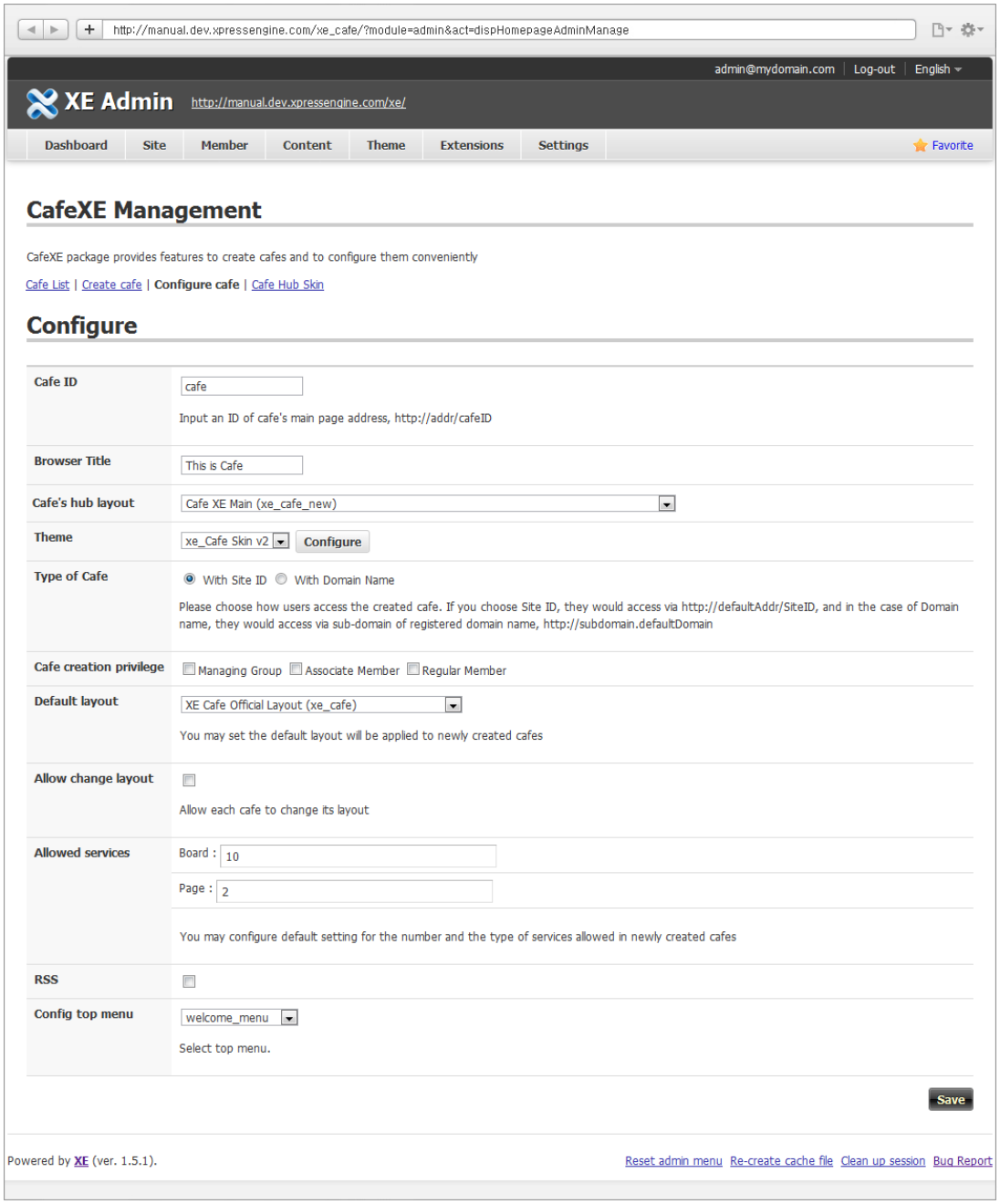
3. Once a cafe is created, you can set the following items on the **CafeXE Managegement** page.
   - **CafeXE administrator**: Specify an administrator of the created cafe.
   - **Default layout**: Change the cafe layout.
   - **Allow change layout**: Check this option to allow the cafe administrator to change the cafe layout.
   - **Allowed services**: Set the types and the numbers of modules for each cafe.

   To use the default settings, click **Go Back** at the bottom right of the page.

5.2.4 Configuring a Cafe

The procedure used to set a cafe is as follows:

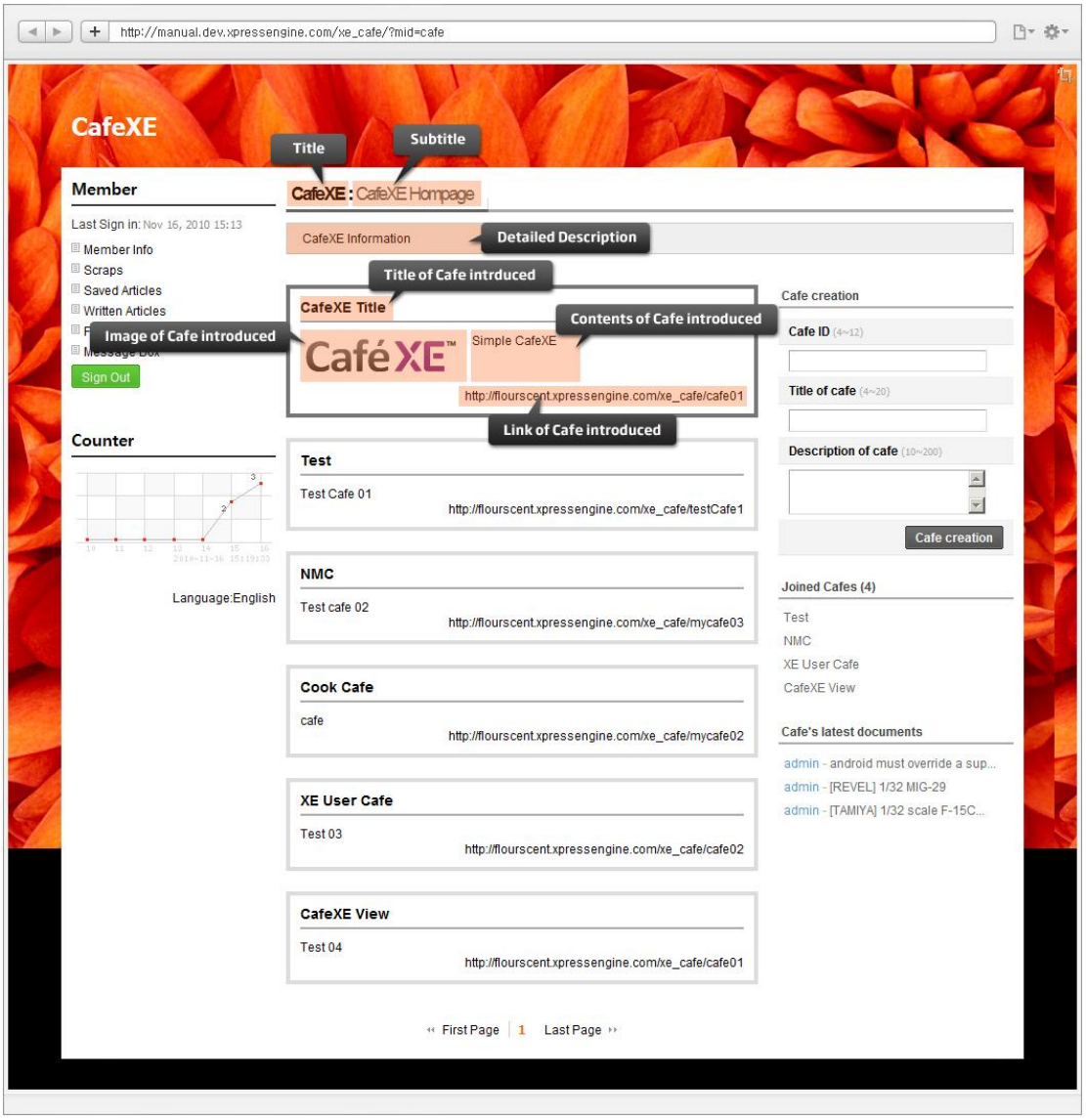
1. Click **Configure cafe** on the **CafeXE Management** page.
2. Enter the following information and click **Save** at the bottom right of the window.
   - **Cafe ID**: ID required for connecting the main page. For this example, set the ID of the corresponding module to *cafe*.
   - **Browser Title**: Text to be displayed on your browser when accessing the main page.
   - **Cafe's main layout**: Layout to be used for the main page. The list of all created layouts is displayed. Find and select **Cafe Main Layout** previously created.
   - **Theme**: Skin to be displayed in the text area of the Cafe hub page. For more information, please see "Configuring a Cafe Hub Skin."
   - **Type of Cafe**: Select the method to use to access the Cafe main page. For the descriptions about website ID access and Domain ID access, see the Note section in "Creating a Café."
   - **Cafe creation privilege**: Authority level for website members to create cafes
   - **Default layout**: A layout to be integrated when the individual cafe is created. Select the previously created *XE Cafe Official Layout*.
   - **Allow change layout**: When this option is checked, an individual cafe manager can separately modify his or her own cafe layout.
   - **Allowed services**: You can limit the default service to be used in an individual cafe. If no value is entered in the relevant field, contents can be created without limit. Therefore, it is recommended to specify a value only after sufficient consideration. For this example, enter *10* for **Board** and *2* for **Page**, separately.
   - **Config top menu**: Menus to be displayed on the top side of the cafe. For how to create and manage menus, see "Managing Site Map."



5.2.5 Configuring a Cafe Hub Skin

The procedure used to set a cafe hub skin is as follows:

1. Click **Cafe Hub Skin** on the **CafeXE Management** page.
2. Check the contents for each area in the figure below and enter the contents to be used for the Cafe Hub page.



5.2.6 Managing Individual Cafes

The users with individual cafe management authority can see **Configure cafe** at the top right of individual cafe window. Click this button to move to the management window of each Cafe.

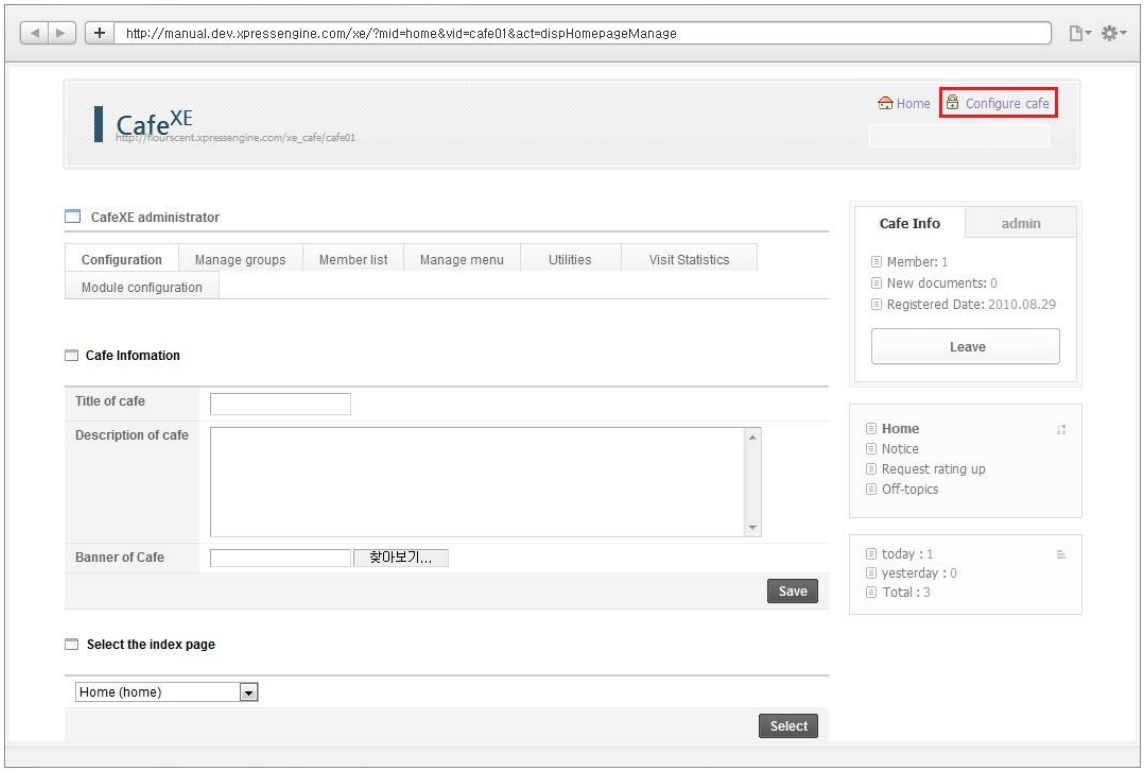


Figure 5-5 Individual Cafe administrator Window

Individual Cafe administrators can set the following items:

- Configuration: Cafe administrators can modify and register Cafe names, descriptions and banner images.
- Manage groups: Cafe administrators can create member groups and set default groups for new members.
- Member list: Cafe administrators can check the current members, change member groups and have members secede from their cafes by deleting the members.
- Manage menu: Cafe administrators can add or remove boards to be used in their Cafe or services such as pages.
- Utilities: Cafe administrators can activate editor components and addons or change settings.
- Visit Statistics: Cafe administrators can view the statistics about their cafe visitors.
- Module configuration: Cafe administrators can change detailed settings about each board and page included in their cafes. In addition, they can exchange cafe boards and pages with different cafes or default websites.

5.3 Creating a Blog Type Website

You can easily build blog type websites by using the Textyle module. The Textyle module performs dedicated blog features in XE. It provides very powerful contents production and publication features, such as Textyle editor and writing material box.

Like CafeXE, Textyle provides the virtual website functionality, so you can create and distribute new Textyles and operate blog communities.

The blog type website to be created in this section is shown in the figure below.

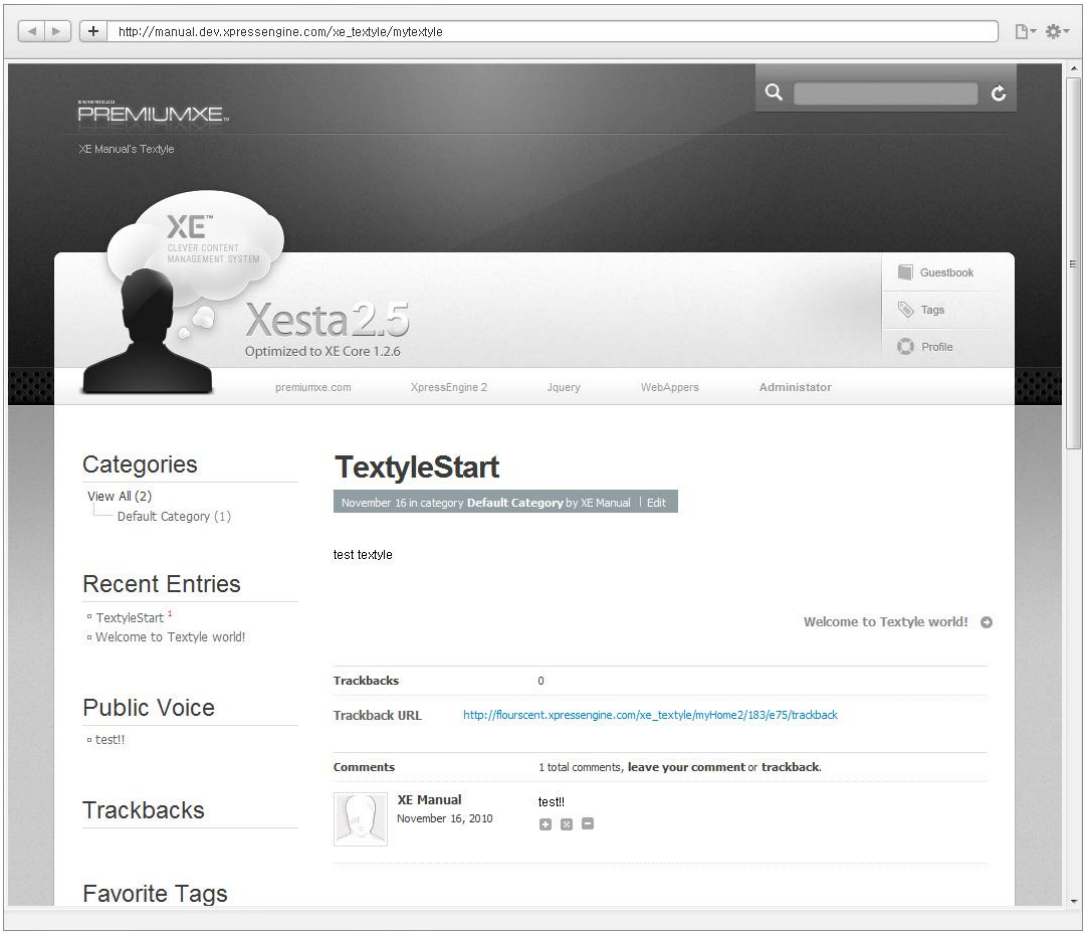


Figure 5-6 The Blog Type Website using Textyle

5.3.1 Installing Extensions

In this section, you need the following modules, layouts and skins for the construction of a blog type website. Install the following items by referring to "How to Install Extensions."

Installing Modules

- Textyle module
- Writing Material Module

Installing Widgets

- Tag list

- Category mark

Installing Skins

- Textyle editor

5.3.2 Textyle Management Page

After installing the required extensions, click **Extensions > Installed Module** and check if the Textyle module is displayed. Click **Textyle** to display the **Textyle Management** page as shown in the figure below.

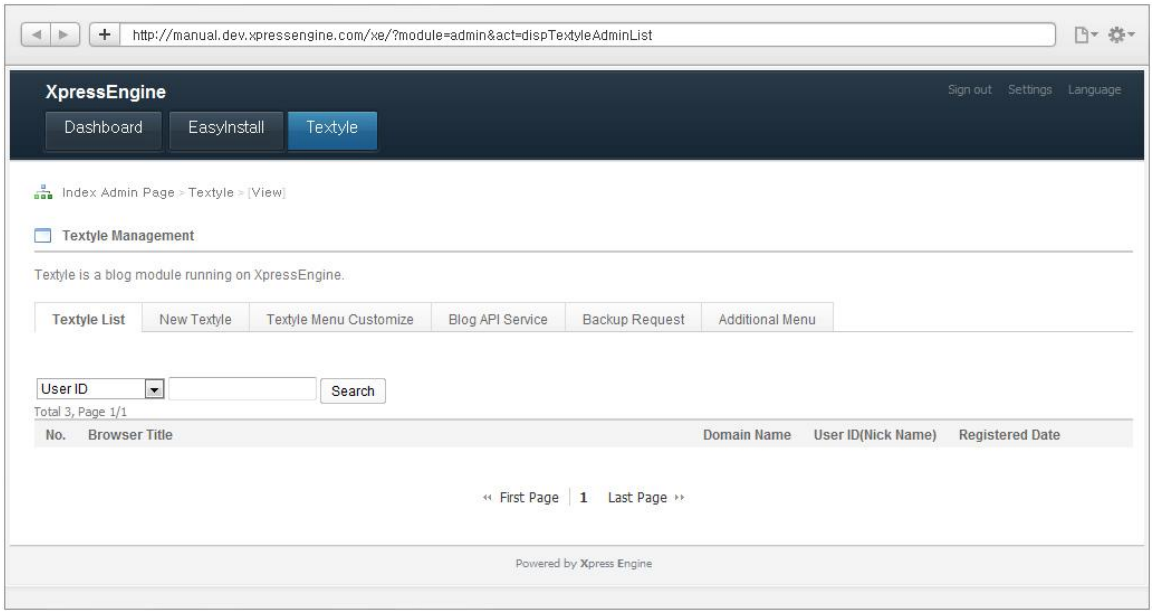


Figure 5-7 Textyle Management Page

The Textyle management menu is composed of six sub-menus.

- Textyle List: You can see the created Textyle list.
- New Textyle: You can create Textyle by entering access method and administrator ID.

> **Note**
>
> You can access the Textyle module in two ways: If you have a domain address in use after installing XE, you can connect the website with the domain or create new URL by adding an ID to the website address. It is recommended to use the second method when adding Textyle to your website in use.

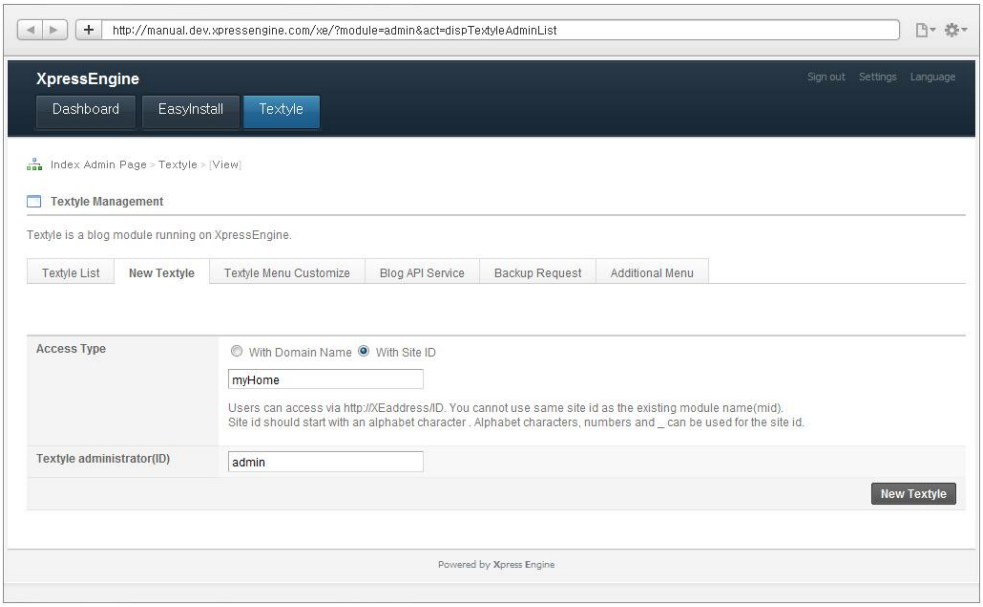
- Textyle Menu Customize: You can hide default menus or develop pages or features other than default property to add in menus. The menus hidden or added by using this menu are applied to all the distributed Textyles in a batch.
- Blog API Service: Blog API handles the remote publication of posts from any other application, and not the administrator's blog. You can post Textyle posts to any blog supporting Blog API in remote locations.
- Backup Request: You can check the backup request history requested from the distributed Textyle. The administrator of the distributed Textyle can perform the Textyle backup in Textyle administration mode and the website administrator can back up all the distributed Textyles directly.
- Additional Menu: You can see the list of other modules that can be added to Textyle. This menu can limit the number of modules available for each individual. If this value is empty,

each individual to whom Textyle is distributed can use the corresponding module without any restriction.

5.3.3 Creating a Textyle

The procedure used to create Textyle is as follows:

1. Press the **New Textyle** tab in the Textyle Management page.
2. Set **Access Type** and **Textyle administrator (ID)** and click **New Textyle** at the bottom right of the window. The settings for this example are as follows:
   - Access Type: With Site ID
   - Textyle administrator (ID): admin



If Textyle is created, the information in the created Textyle appears in the **Textyle List** tab.

5.3.4 Configuring a Textyle

Open the Textyle main page by clicking the created Textyle, and click **Admin** at the top of the Textyle main page. After logging in to the individual administration screen, you can see the following window.

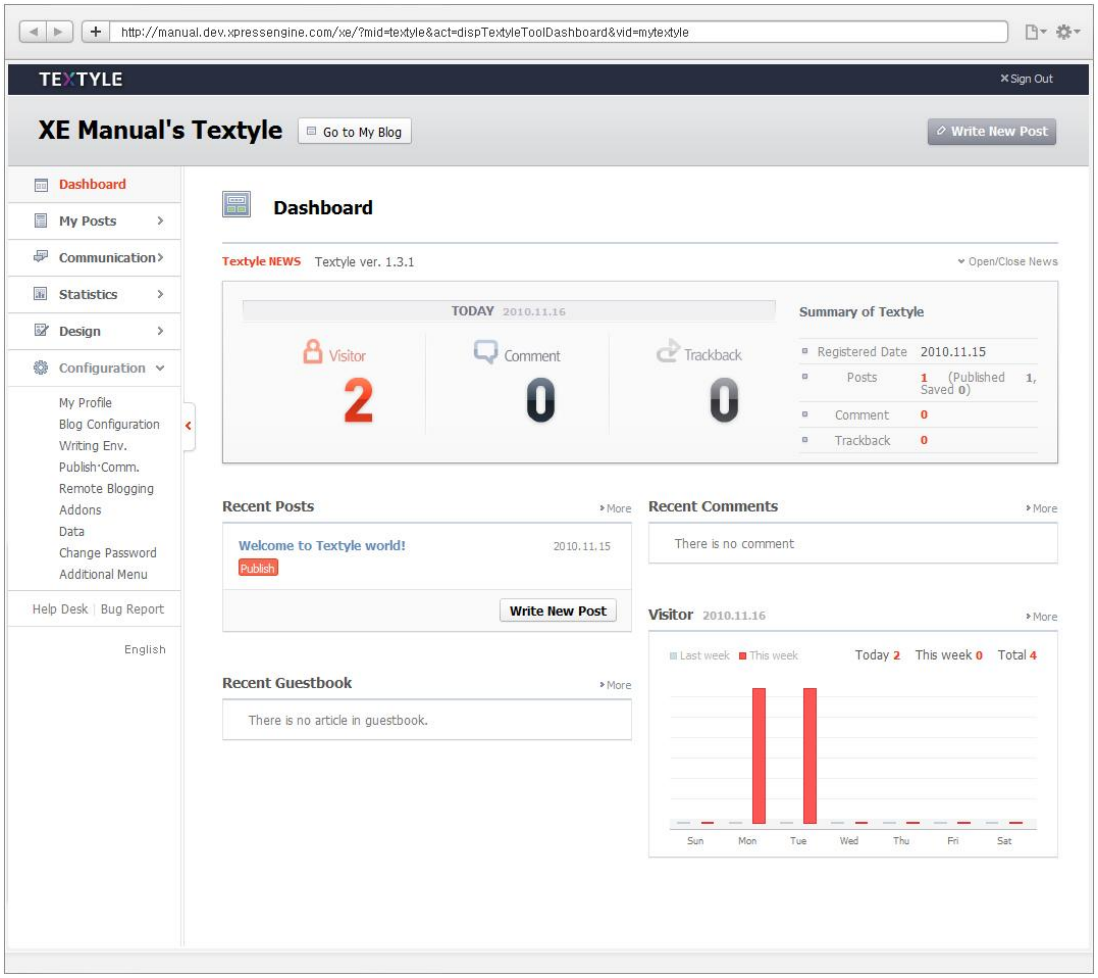


Figure 5-8 Individual Textyle Administration Window

Among Textyle administration menus, the sub-menus related to **Configuration** are as follows:

- My Profile: It is used to set user information. It enables you to write or modify nicknames, E-mail addresses, profile photos and cover letters.
- Blog Configuration: It is used to set blog information. It enables you to enter or edit blog title and one-line introduction, set favicon (Favorites icon attached to the front of website address) or set language or time zone for menu.
- Writing Env.: It is used to set the posting environment. It enables you to, also, set the use of Textyle editor, font, posting header or footnote and remote publication feature to draw up writings to this Textyle in a remote place.
- Publish·Comm.: It enables you to specify targets to be exposed to Textyle's first page and the number of the targets, and set whether to send postings to me2day or twitter accounts. In addition, it enables you to set types to be sent out from RSS or entry forms for writing contents or a guestbook.
- Remote Blogging: It enables you to set the feature to send out postings written in this Textyle to other blogs or boards.
- Addons: It enables you to set the features of addons installed in this Textyle.
- Data: It enables you to back up or resume blog posts or data, or initialize your blog.
- Change Password: It enables you to change Textyle administrator's password.
- Additional Menu: It enables you to add modules installed in XE as Textyle menus.

5.3.5 Setting Textyle Design

You can create a better blog with your unique personality by changing Textyle's skin. It enables you to apply default skins provided when installing Textyle or the skins downloaded from official website. In addition, after the administrator edits the applied skin, you can modify it for your blog. You can also apply blog skins for your mobile unit.

Installing and Applying Skins

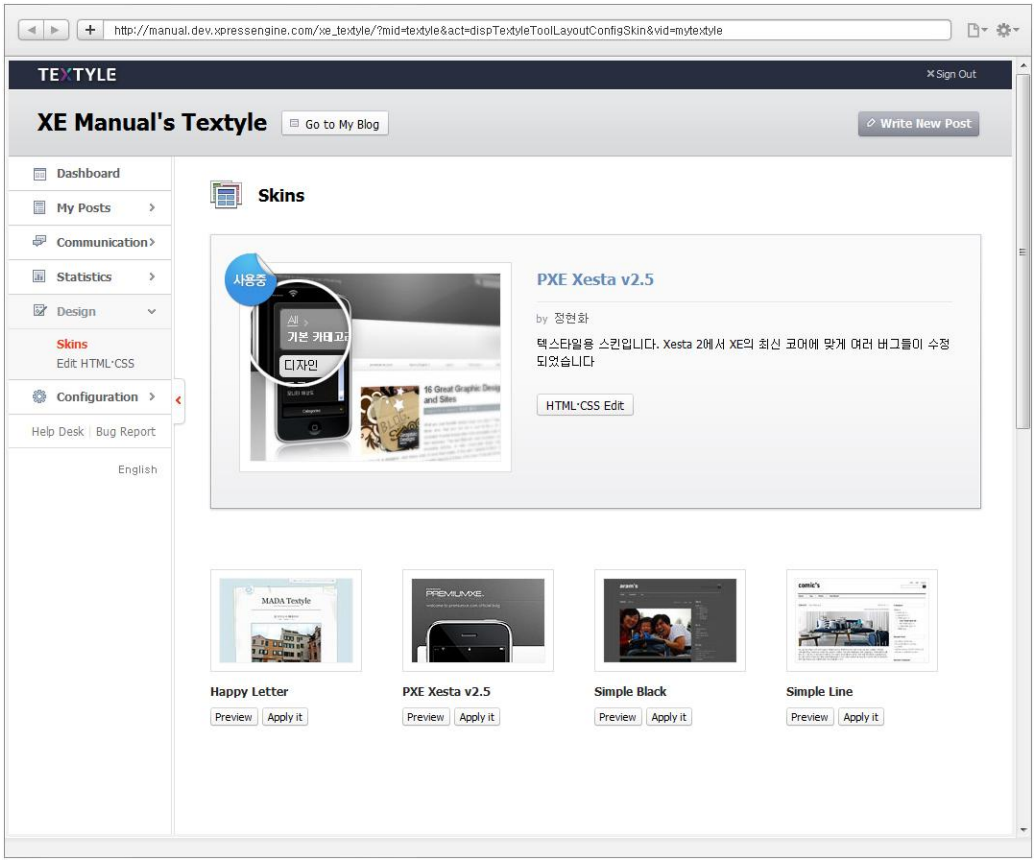
To apply a new skin, you must install the Textyle skin first. You can download various skins from the official XE website (http://www.xpressengine.com/download).

The procedure used to apply Textyle skins is as follows:

1. Click **Design > Skins** from the Textyle administration menu, and then select a skin from the default skins to apply to your website. For this example, let's suppose that you select **PXE Xesta v2.5** skin.

> **Note**
>
> Click a desired skin to check the detailed information on the skin. Since the detailed skin information window provides Textyle screen images applying the skin or the URL address of the Textyle website that the skin is actually applied to, you can confirm the appearance before you apply the skin. Among detailed information items, the installation path indicates the position where you must upload source file during the installation process. If you want to upload source code directly to install skins with no use of **Easy Install**, you must keep in mind the installation path.

2. Click **Download** in the detailed information window to download the skin file, and then upload the file to the skin installation path of the server. For detailed installation method, see "Installing Extensions by Uploading Source Files."
3. Select **Design > Skins**, and the information in the installed skin appears as shown in the figure below.



Creating Widgets

Now, we will create three widgets for the applied skin. Let's specify the settings to display the latest posting, reply and trackback list in each widget.

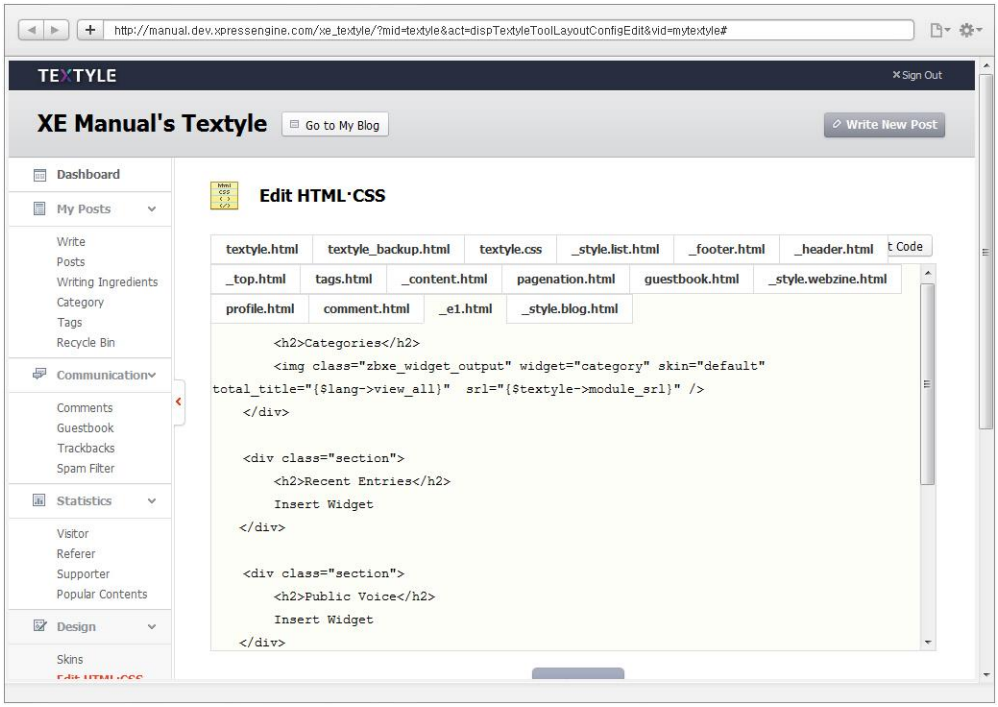
1. Select **Construction > Widget** in the XE Admin Page, and the information in the widgets installed in your website appears.
2. Select **Content** from the default widgets and click **Insert**.
3. After setting each field below, click **Generate Code**. Since the three widgets has the same attributes excluding the values of **Target**, create codes three times after only setting **Target** differently.
   - Widget: Content Widget ver x.x
   - Theme: Content widget default skin (default), Colorset: For white background

> **Note**
>
> To specify colorset, select a desired skin from **Theme** and click **Select**. To create the code correctly, you must specify a colorset after selecting a skin.

   - Cache: 0 min.
   - Target:
     - Latest Post Widget: Post
     - Latest Comment Widget: Comment
     - Latest Trackback Widget: Trackback
   - Content Type: Title

- Tab Type: None
- Display Target and Order: title
- Display Article Name: No Display
- Comment Count: Display
- Trackback: No Display
- Category: No Display
- Icon: No Display
- Target to be sorted: Newest Submitted Order
- Sorting Type: Descending order
- Thumbnail Type: Crop
- Width of Image: (Do not enter)
- Height of Image: (Do not enter)
- Number of Images: (Do not enter)
- Number of Lists: 10
- Page: 1
- Duration of indication for new item: Empty
- Length of Subject: 30
- Length of Content: (Do not enter)
- Target Module: (Do not insert)
- Feed related items: (Do not enter)
- HTML Display Type: UL

4. After copying the created codes, close the popup window.
5. Select the **Design > Edit HTML·CSS** in the left side of individual Textyle administration window.
6. Select the **_el.html** tab, and paste the latest post, the latest comment and the latest trackback widgets to Recent Entries, Public Voice and Trackbacks tags, respectively.



Note

Even though you have made a skin you like by modifying the skin and inserting a widget skin by editing HTML and CSS, the changes will be deleted if you apply another skin. To prevent such case, you must back up the skin. The **Backup skin**, **Restore skin**, **Reset** buttons are located at the bottom of the **Edit HTML·CSS** window.

Backup skin: It enables you to back up the current skin and download the skin again when you want after changing the skin.
Restore skin: It enables you to upload the backup skin again by using the Skin Backup feature and apply its modified skin again.
Reset: It deletes all changes and restores the skin contents into the original status before the skin was applied initially. This feature is used to restore any skin into the original status when you cannot modify the skin.

5.4 Setting a Default Module

After building your website, you can set the first page (default module) that other users see initially when they access your website. When you do not change the default module, the Welcome page that is automatically created when you install XE appears.

1. Select **Settings > General** on the XE Admin page.
2. Click **Find** under **You can specify the default module for the site.** on Primary section. Enter a virtual site ID including a default module, or keep it blank if the default module is contained in the main site, and click **Confirm**.
3. When the layered pop up list of created sites appears, select one (if there is no virtual site, currently used domain information is displayed).
4. When the module types of the selected site appear, select one for the first page.
5. When the module instance of the selected module type appears, click **Select** next to the module to select as the first page.
6. Click **Save** at the bottom of the page.

6. Appendix

This chapter provides the helpful information to install and use XE.

6.1 Setting Up a Windows Environment

You can use WPI to install XE under Windows environment.

> **Note**
>
> If you install XE by using WPI in Windows XP, you cannot use mod_rewrite to reduce the length of URL to make it easy to remember.
> XE packed in WPI is version 1.4.0.5. If you want to install the latest version of XP, you must separately update into XE core after installing with WPI.

6.1.1 Getting an Account

To install XE into a Windows server, you must have an account to access to the server. For the server account, ask your server administrator. If you administrate the server directly, use the existing account or create a new account.

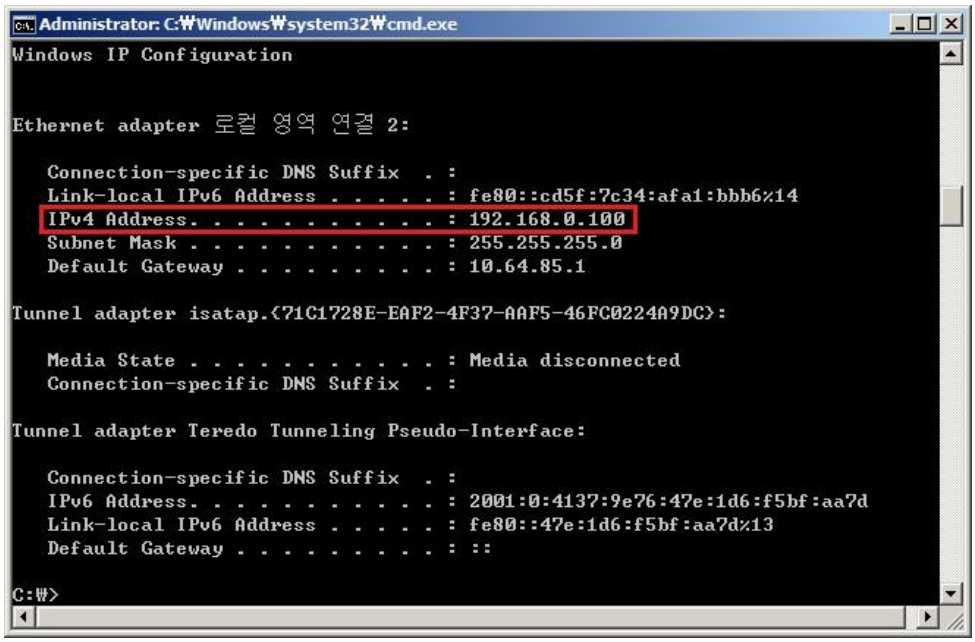
After specifying the account name, you can select the account type. It is recommended to minimize the authority of the account by selecting a limited account to keep the server secure as possible.

6.1.2 Using Remote Desktop Connection

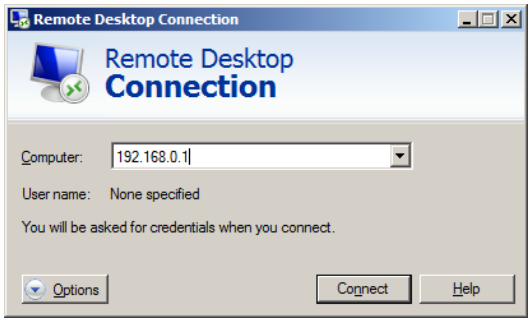
If you cannot manipulate the server directly, you must access and manipulate the server remotely. Windows systems provide the 'Remote Desktop Connection' program to access and manipulate another computer.

To use the Remote Desktop Connection program, you need the server's domain address or IP address. If a domain has been already set, you may access by using the domain. If not, you must use IP address. The procedure to check the server IP address and access to it by using the Remote Desktop Connection program is as follows:

1. Execute the command prompt of your Windows server.
2. Enter the ipconfig command and check the server IP address.


Administrator: C:₩Windows₩system32₩cmd.exe
Windows IP Configuration
Ethernet adapter 로컬 영역 연결 2:
Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::cd5f:7c34:afa1:bbb6%14
IPv4 Address. . . . . : 192.168.0.100
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 10.64.85.1
Tunnel adapter isatap.{71C1728E-EAF2-4F37-AAF5-46FC0224A9DC}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Tunnel adapter Teredo Tunneling Pseudo-Interface:
Connection-specific DNS Suffix . :
IPv6 Address. . . . . : 2001:0:4137:9e76:47e:1d6:f5bf:aa7d
Link-local IPv6 Address . . . . . : fe80::47e:1d6:f5bf:aa7d%13
Default Gateway . . . . . : ::
C:₩>

3. Execute **Start > Accessories > Remote Desktop Connection** from My Computer or mstsc in the command prompt.
4. If the Remote Desktop Connection window appears, enter the server IP address to **Computer** and click **Connect**.



5. If a window to enter server account and password appears, enter the account created in "Getting an Account" and log in to the server.

6.1.3 Using WPI

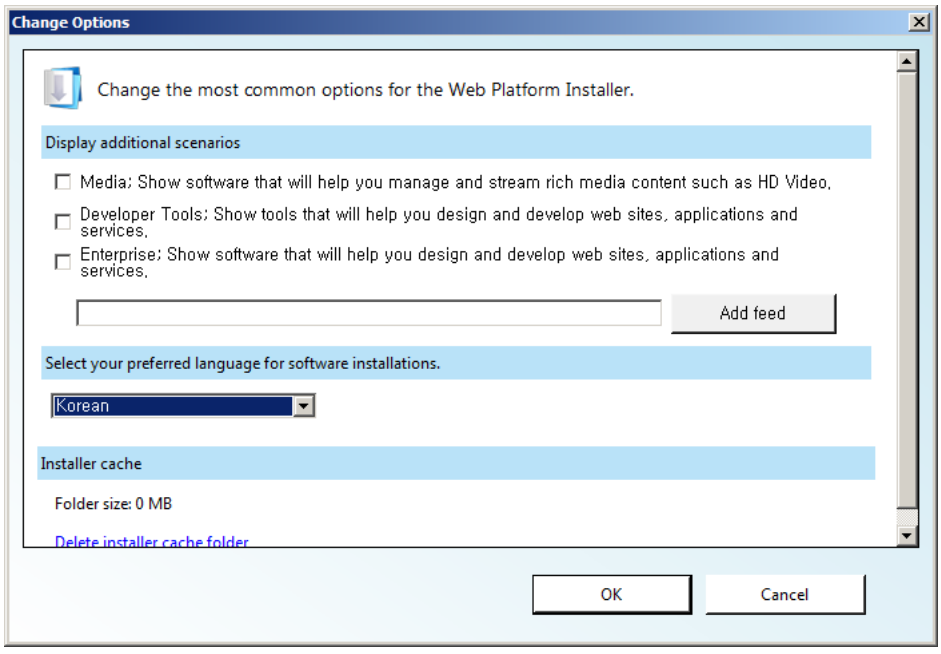
WPI is the tool that Microsoft provides for the convenient use of Web platform products. WPI automatically install and set required components or Web applications.

It installs the components necessary for a Web application when you install the Web application. If, therefore, you use WPI, the programs necessary for the XE installation are installed together when you install XE.

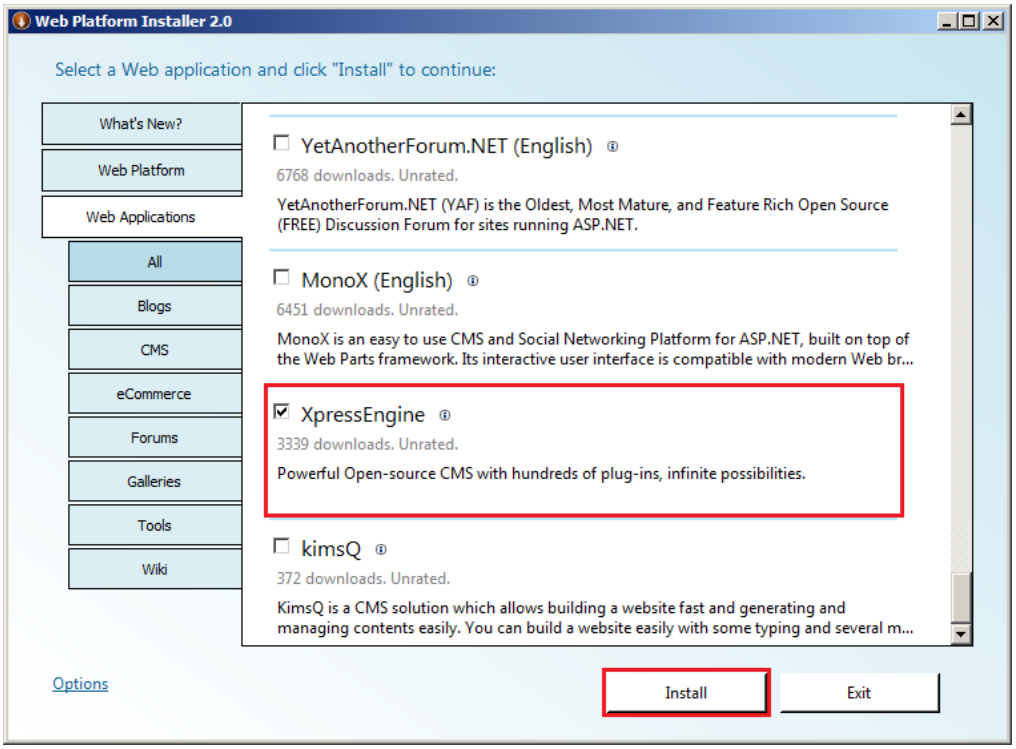
Download WPI installer from the official website for Microsoft Web Platform (http://www.microsoft.com/web/default.aspx).

Executing WPI Installer and Starting XE Installation

1. Execute WPI installer and then select **CMS** in the **Web Applications** tab.
2. Click **Option** at the bottom left of the installer window.
3. Select **Korean** for your preferred language and click **OK**.


Change Options
Change the most common options for the Web Platform Installer.
Display additional scenarios
Media: Show software that will help you manage and stream rich media content such as HD Video.
Developer Tools: Show tools that will help you design and develop web sites, applications and services.
Enterprise: Show software that will help you design and develop web sites, applications and services.
Add feed
Select your preferred language for software installations.
Korean
Installer cache
Folder size: 0 MB
Delete installer cache folder
OK
Cancel

4. Find and select **XpressEngine** from the application list in the **CMS** and then click **Install**.


Web Platform Installer 2.0
Select a Web application and click "Install" to continue:
What's New?
Web Platform
Web Applications
All
Blogs
CMS
eCommerce
Forums
Galleries
Tools
Wiki
YetAnotherForum.NET (English)
6768 downloads. Unrated.
YetAnotherForum.NET (YAF) is the Oldest, Most Mature, and Feature Rich Open Source (FREE) Discussion Forum for sites running ASP.NET.
MonoX (English)
6451 downloads. Unrated.
MonoX is an easy to use CMS and Social Networking Platform for ASP.NET, built on top of the Web Parts framework. Its interactive user interface is compatible with modern Web br...
XpressEngine
3339 downloads. Unrated.
Powerful Open-source CMS with hundreds of plug-ins, infinite possibilities.
kimsQ
372 downloads. Unrated.
KimsQ is a CMS solution which allows building a website fast and generating and managing contents easily. You can build a website easily with some typing and several m...
Options
Install
Exit

5. To install XE core, check additional components to be installed and set and then click **I Accept**. XE core starts to be installed.

Installing Additional Components

If additional installation components include MySQL DBMS, you must specify a password during installing MySQL DBMS. If a screen to specify administrator password appears, specify password and click **Continue**.

> **Note**
>
> If you specify MySQL administrator password for the first time in WPI, the password must contain both lowercase and uppercase letters, as well as at least one numeral and one symbol. Since the MySQL administrator password is required when installing XE, you must memorize the password.

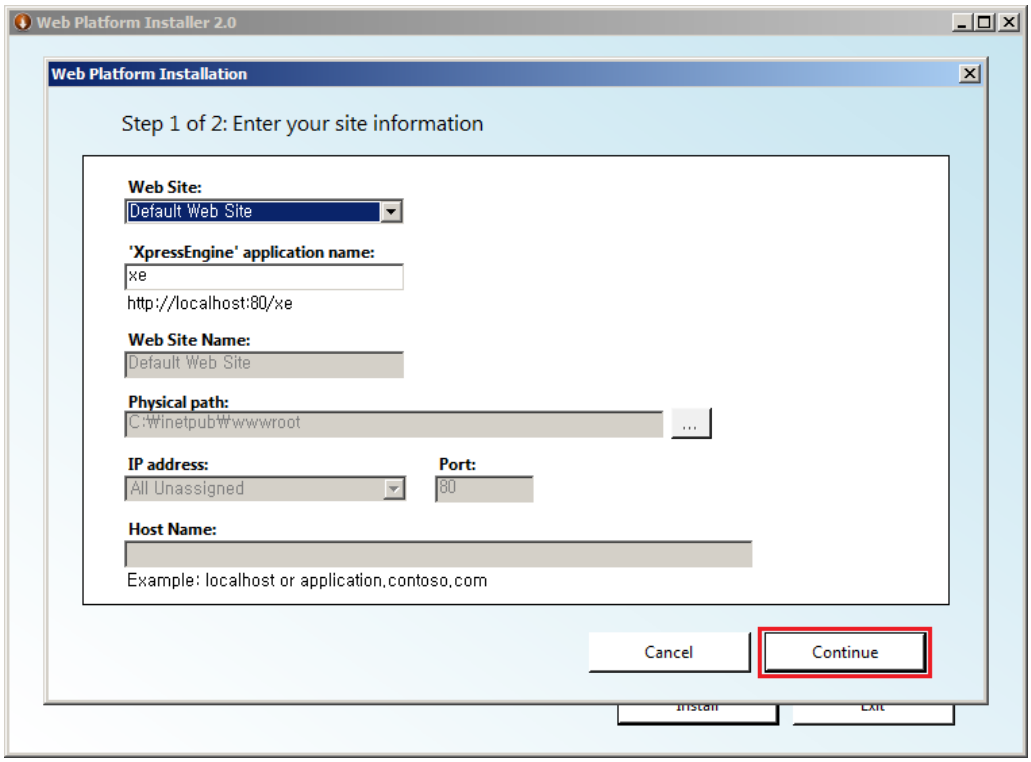
If the account is completely set, components start to be installed.

Entering the Information Required for XE Installation

After the required components for XE are installed, XE starts to be installed.

1. As shown in the figure below, enter the information of the website where XE is installed and click **Continue**.

   Unless you want to set some site information in particular, use the default setting as is.



2. Enter the following information in the XE core installation and click **Continue**.

- Database: A DBMS to be used in XE. Herein, select MySQL.
- Create a new or use an existing database: Select whether to use the existing database or new database for the operation of XE. It is recommended to create new database if possible.
- Database Administrator: A selected administrator ID for the DBMS: Herein, the administrator ID of the MySQL is 'root.'
- Database Administrator Password: A DBMS Administrator's password for the selected DBMS. Enter the MySQL administrator password specified in "Installing Additional Components."
- Database User Name: A user name to access database from XE
- Database Password: A user password to access database from XE
- Database Server: The location where DBMS is installed is specified in URL format. In this document, since the server and the DBMS are operated in the same computer, enter *localhost*.
- Database Name: Your existing or new database name to be used in XE
- Database Table Prefix: A header to be used in table names created in XE
- Set XE Admin ID: An ID of XE administrator
- Set XE Admin Name: A name of XE administrator
- Set XE Admin Nickname: An alias of XE administrator account
- Set XE Admin Password: A password of XE administrator account
- Set XE Admin Email address: An E-mail address of XE administrator E-mail account
- Use URL Rewrite: Whether to use mod_rewrite. If this item is activated, you can reduce the URL length to make it easy to remember.
- GMT Timezone: A local standard time for XE service

Welcome to XE

If you complete all installation processes, access your website by using your web browser. If the installation is completed successfully, the following window appears.

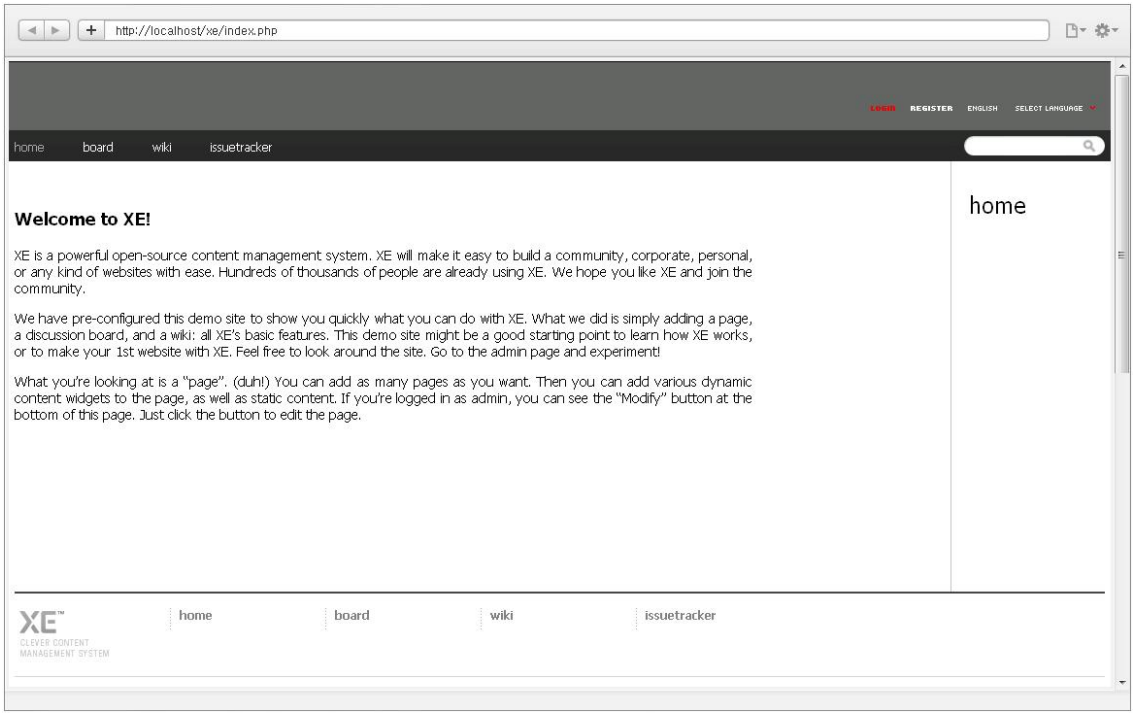

http://localhost/xe/index.php
LOGIN
REGISTER
ENGLISH
SELECT LANGUAGE
home
board
wiki
issuetracker
Welcome to XE!
XE is a powerful open-source content management system. XE will make it easy to build a community, corporate, personal, or any kind of websites with ease. Hundreds of thousands of people are already using XE. We hope you like XE and join the community.
We have pre-configured this demo site to show you quickly what you can do with XE. What we did is simply adding a page, a discussion board, and a wiki: all XE's basic features. This demo site might be a good starting point to learn how XE works, or to make your 1st website with XE. Feel free to look around the site. Go to the admin page and experiment!
What you're looking at is a "page". (duh!) You can add as many pages as you want. Then you can add various dynamic content widgets to the page, as well as static content. If you're logged in as admin, you can see the "Modify" button at the bottom of this page. Just click the button to edit the page.
home
XE
CLEVER CONTENT MANAGEMENT SYSTEM
home
board
wiki
issuetracker

Figure 6-1 Welcome to XE! Window

Note

When you install XE by using WPI, you need to update XE core to its latest version. Download the latest version of XE core from the official XE website, unzip it and then overwrite the contents under the XE site installation directory (C:\Inetpub\wwwroot\xe) with the unzipped files.

6.2 Setting Up a Linux Environment

This section describes basic information necessary for the installation of XE by using a Linux server.

6.2.1 Getting an Account

To install XE, you need the accounts to access the server and the database storing XE information. Check server and database accounts as follows:

1. After logging into the server with the administrator account, create a user account by using the useradd command. For more information on the useradd command, see "Command to Create Accounts - useradd."

   If, however, your server is provided from a Web hosting provider, ask the provider to set up the account.

2. Check the account information of the database to store all data necessary for XE installation and operation. For information on how to create and check the DBMS account in use, see the official website.
   - CUBRID official website (http://www.cubrid.com/zbxe/home)
   - Firebird official website (http://www.firebirdsql.org/)
   - MySQL official website (http://www.MySQL.com/)
   - PostgreSQL official website (http://www.postgresql.org/)
   - SQLite official website (http://www.sqlite.org/)
   - Official website for MS SQL Server (http://www.microsoft.com/korea/sqlserver/2008/default.aspx)

6.2.2 Using PuTTY

To access a server, you need to use PuTTY, which is a remote access program. PuTTY is only available for the servers supporting Telnet or Secure Shell (SSH) protocols.

The procedure used to install and use the PuTTY is as follows:

1. Download the setup file from the official PuTTY website (http://www.chiark.greenend.org.uk/~sgtatham/putty/).
2. After executing the downloaded PuTTY, enter the server IP address to **Host Name** on the PuTTY Configuration window and click **Open** at the bottom of the window.
3. If the login window appears, enter your ID and password in turn.

You cannot check your input information because there is no change when entering password. When, however, pressing Enter after entering the password correctly, you can see whether the authentication request is passed or failed.

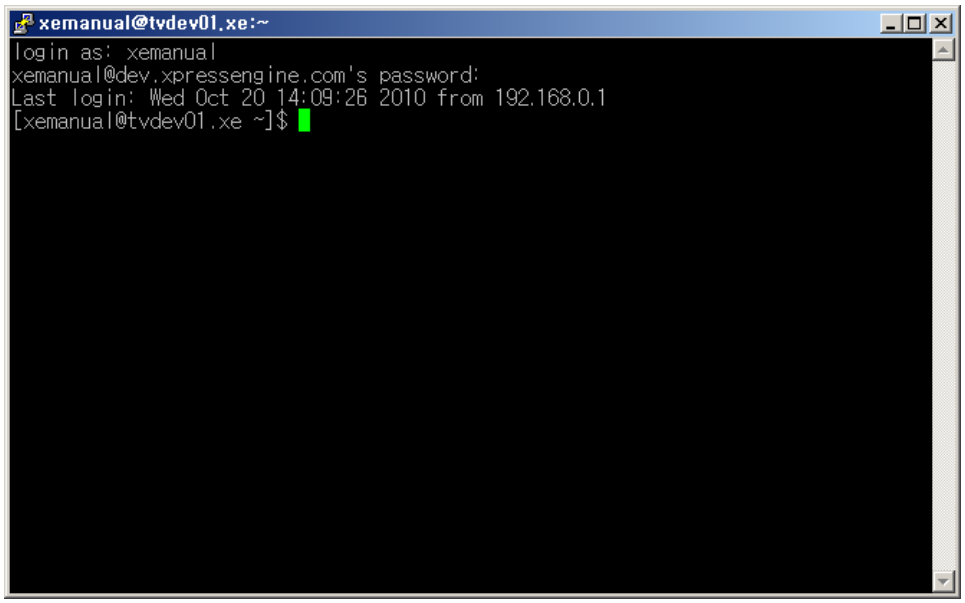


Figure 6-2 PuTTY Login Window

6.2.3 Uploading XE Core Setup File

To upload the setup file stored in My Computer to the web server, you need a File Transfer Protocol (FTP) program. In this document, FileZilla, which is a free and open program, is used. You can get FileZilla from the FileZilla official website (http://filezilla-project.org/download.php?type=client).

With FileZilla, access the server to install XE, and upload the setup file.

- Host: A server domain address or IP address
- Username: An account with server access permission. Enter the account used when getting access to the server by using above described PuTTY.
- Password: An account password
- Port: An FTP port number of the access server. In general, 21 is used as the port number. If you cannot access the server, check the FTP port number of the access server again. The server administrator may have changed the FTP port number.

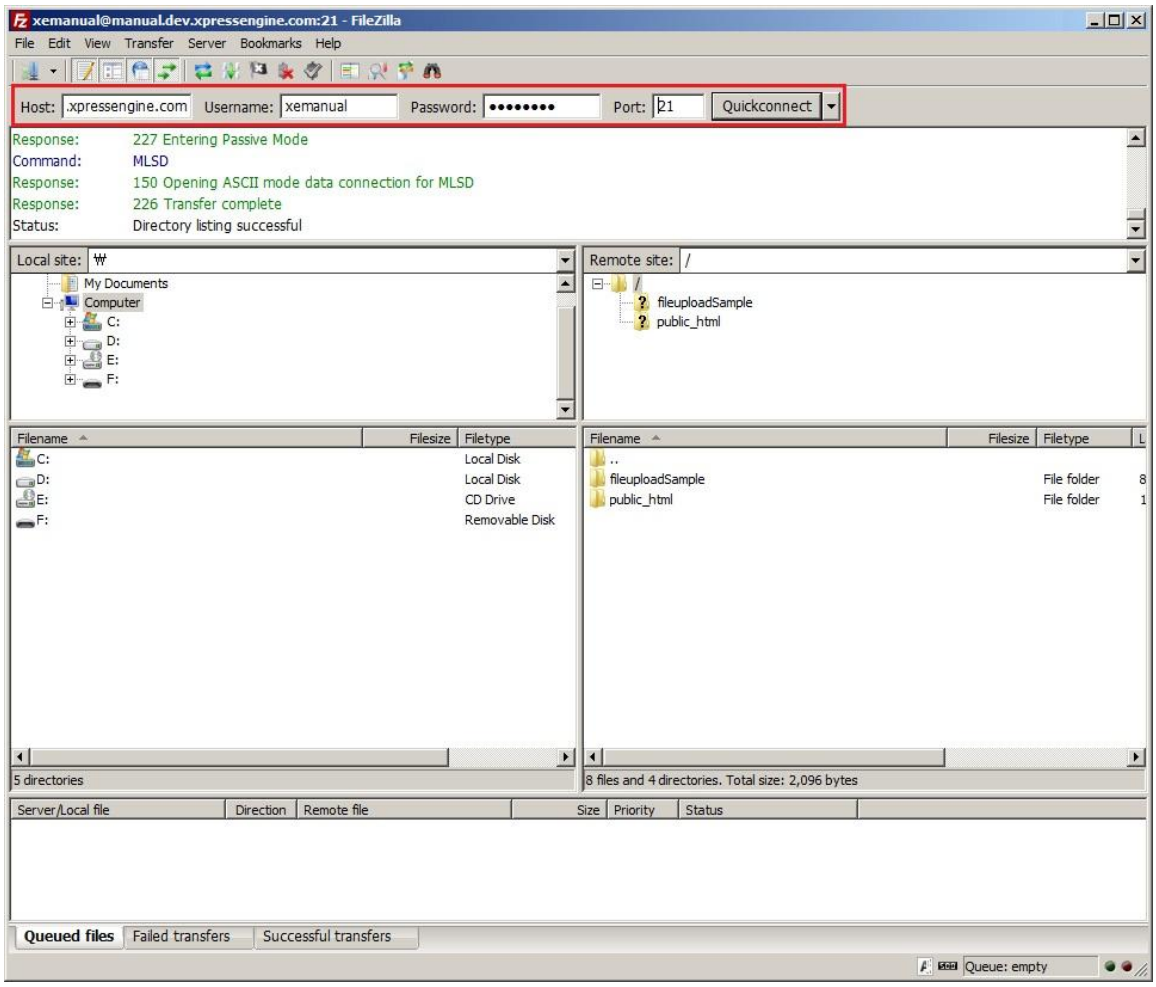


Figure 6-3 FileZilla Screen Shown When Server Access Succeed

6.3 Uploading XE Core Setup File by Formats

You can upload XE core file to a web server in two ways:

- Uploading to the server after downloading and extracting a zip file
- Extracting a tgz file after downloading the file and uploading to the server

Select more convenient method between the two methods.

Uploading a zip File After Extracting

1. Download the XE core setup file whose extension is .zip to My Computer and extract it.
2. Upload the unzipped file included in the xe directory to the server by using FileZilla.

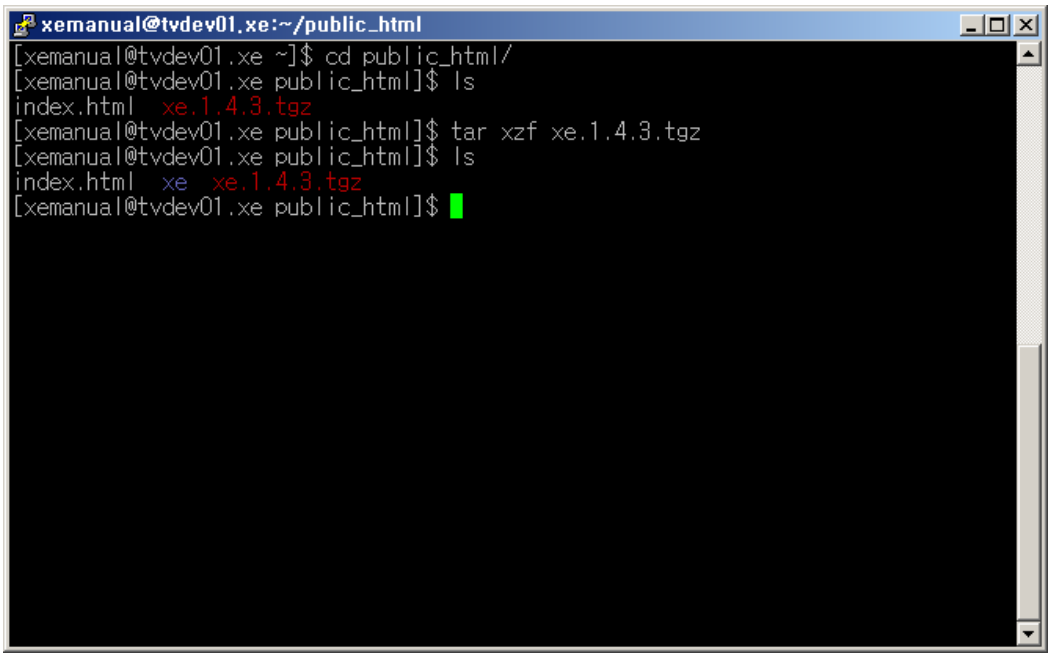
> **Note**
>
> Upload the XE core file to the root directory of the server. If, for example, you upload the xe directory to the root directory of a 'manual.xpressengine.com' server, you must access 'manual.xpressengine.com/xe.'

Extracting a tgz File After Uploading

Under Windows environment, the compressed file is extracted by using a file compression program already installed after uploading the file.

Under Linux environment, the compressed file is extracted after uploading the file as follows:

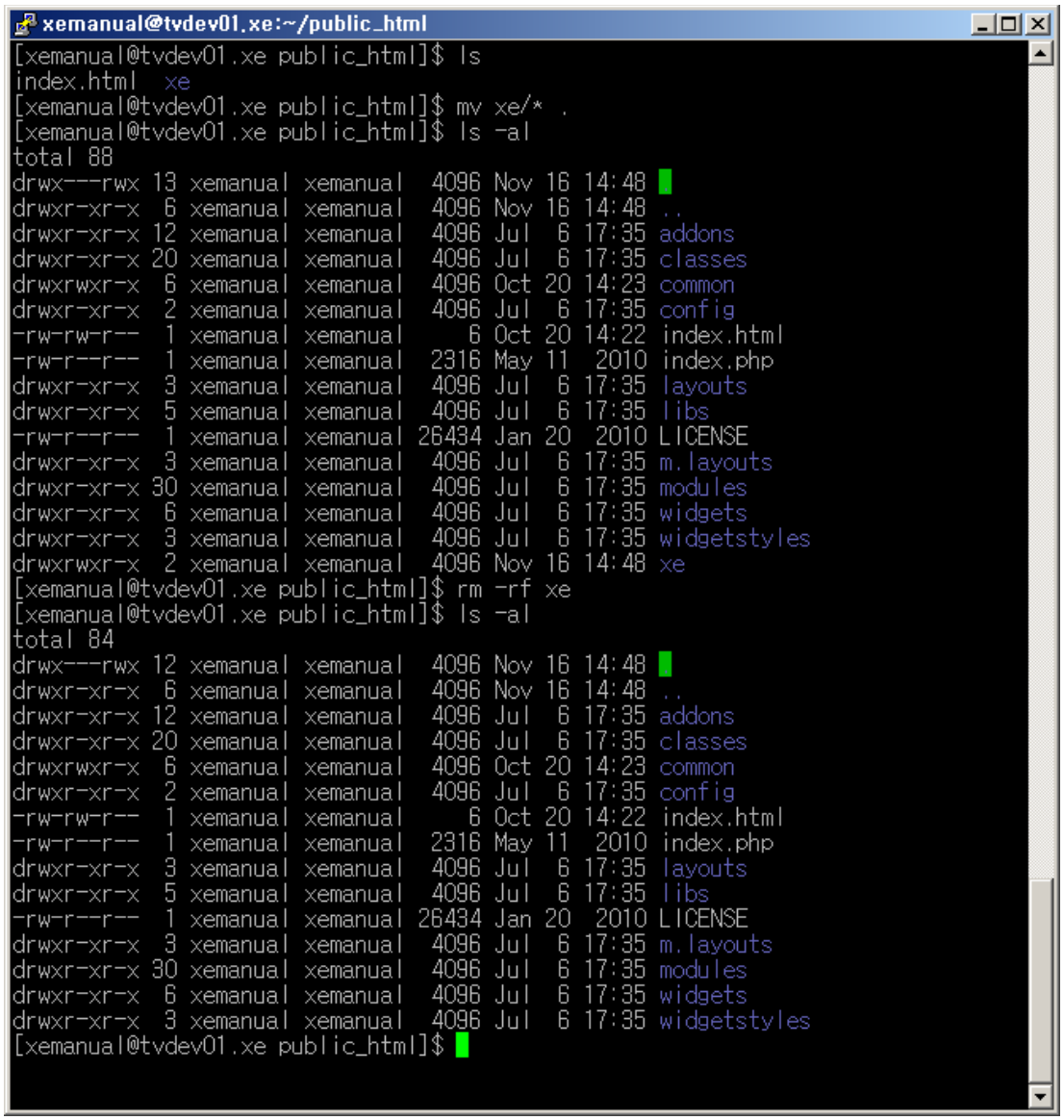
1. Download the XE core setup file whose extension is.tgz to My Computer and upload the file to your server.
2. After getting access to the server by using PuTTY, move to the root directory.
3. Enter the ls command to check if xe.x.x.x.tgz file is uploaded.
4. Extract the compression of a tgz file by using the tar command.



5. Move the files under the xe directory to the root directory by using the mv command. Now, you can access the Web page through the domain path.

```
mv xe/* .
```

At this time, make sure that a dot (.) at the end of the command is not missing.


xemanual@tvdev01.xe:~/public_html
[xemanual@tvdev01.xe public_html]$ ls
index.html xe
[xemanual@tvdev01.xe public_html]$ mv xe/* .
[xemanual@tvdev01.xe public_html]$ ls -al
total 88
drwx---rwx 13 xemanual xemanual 4096 Nov 16 14:48 .
drwxr-xr-x 6 xemanual xemanual 4096 Nov 16 14:48 ..
drwxr-xr-x 12 xemanual xemanual 4096 Jul 6 17:35 addons
drwxr-xr-x 20 xemanual xemanual 4096 Jul 6 17:35 classes
drwxrwxr-x 6 xemanual xemanual 4096 Oct 20 14:23 common
drwxr-xr-x 2 xemanual xemanual 4096 Jul 6 17:35 config
-rw-rw-r-- 1 xemanual xemanual   6 Oct 20 14:22 index.html
-rw-r--r-- 1 xemanual xemanual 2316 May 11 2010 index.php
drwxr-xr-x 3 xemanual xemanual 4096 Jul 6 17:35 layouts
drwxr-xr-x 5 xemanual xemanual 4096 Jul 6 17:35 libs
-rw-r--r-- 1 xemanual xemanual 26434 Jan 20 2010 LICENSE
drwxr-xr-x 3 xemanual xemanual 4096 Jul 6 17:35 m.layouts
drwxr-xr-x 30 xemanual xemanual 4096 Jul 6 17:35 modules
drwxr-xr-x 6 xemanual xemanual 4096 Jul 6 17:35 widgets
drwxr-xr-x 3 xemanual xemanual 4096 Jul 6 17:35 widgetstyles
drwxrwxr-x 2 xemanual xemanual 4096 Nov 16 14:48 xe
[xemanual@tvdev01.xe public_html]$ rm -rf xe
[xemanual@tvdev01.xe public_html]$ ls -al
total 84
drwx---rwx 12 xemanual xemanual 4096 Nov 16 14:48 .
drwxr-xr-x 6 xemanual xemanual 4096 Nov 16 14:48 ..
drwxr-xr-x 12 xemanual xemanual 4096 Jul 6 17:35 addons
drwxr-xr-x 20 xemanual xemanual 4096 Jul 6 17:35 classes
drwxrwxr-x 6 xemanual xemanual 4096 Oct 20 14:23 common
drwxr-xr-x 2 xemanual xemanual 4096 Jul 6 17:35 config
-rw-rw-r-- 1 xemanual xemanual   6 Oct 20 14:22 index.html
-rw-r--r-- 1 xemanual xemanual 2316 May 11 2010 index.php
drwxr-xr-x 3 xemanual xemanual 4096 Jul 6 17:35 layouts
drwxr-xr-x 5 xemanual xemanual 4096 Jul 6 17:35 libs
-rw-r--r-- 1 xemanual xemanual 26434 Jan 20 2010 LICENSE
drwxr-xr-x 3 xemanual xemanual 4096 Jul 6 17:35 m.layouts
drwxr-xr-x 30 xemanual xemanual 4096 Jul 6 17:35 modules
drwxr-xr-x 6 xemanual xemanual 4096 Jul 6 17:35 widgets
drwxr-xr-x 3 xemanual xemanual 4096 Jul 6 17:35 widgetstyles
[xemanual@tvdev01.xe public_html]$

6. Since you have already extracted the xe.x.x.x.tgz file and have moved all files under the xe directory, delete the xe.x.x.x.tgz file and the xe directory by using the rm command.

Note

For a detailed description about Linux commands, see "Linux Commands."

6.4 Linux Commands

6.4.1 Command to Compress or Extract Files - tar

Command Format: tar <Operation> [Options] (Directory path or compressed file path)

<Operation>

- [-]A: Concatenate a second tar file to the end of the first.
- [-]c: Create a new tar file.
- [-]d: Compare the files stored in tar file with other files. Report any differences.
- [-]r: Append other files to the end of an existing archive.
- [-]t: Print the names of files stored on the archive.
- [-]u: Add files if not in the archive or it modified.
- [-]x: Extract the compressed file
- --delete: Delete from the archive.

<Common Options>

- -C: Specify the directory before beginning tar operation.
- -f: It is used to specify a file name.
- -j: Compress files with bzip2 before archiving them, or uncompress them with bunzip2 before extracting them.
- -p: Keep the attributes such as permission, directory and owner of extracted files the same as the originals.
- -v: Print filenames as they are added or extracted.
- -z: compress into or extract gzip files in a batch.

6.4.2 Command to Remove Files and Directories - rm

Command Format: rm [Option] (File or directory path)

[Option]

- [-]f: Remove write-protected files without prompting.
- [-]r: Remove the entire directory and all its contents, including subdirectories.
- [-]v: Print the name of each file before removing it.

6.4.3 Command to Move Files and Directories - mv

Command Format: mv [option] (File or directory path) (File name of directory path)

[Option]

- [-]b: Back up files before removing.
- [-]f: Force the move, even if target file exists.
- [-]u: Do not remove a file or link if its modification date is the same as or newer than that of its replacement.
- [-]v: Print the name of each file before moving it.

6.4.4 Command to Create Directories - mkdir

Command Format: mkdir [Option] (Directory name)

[Option]

[-]p: Create intervening parent directories if they don't exist.

6.4.5 Command to Change File and Directory Permissions - chmod

Command Format: chmod [Option] <mode> (File or directory path)

[Option]

- [-]c: Print information about files that are changed.
- [-]f: Do not notify user of files that chmod cannot change.
- [-]v: Print information about each file, whether changed or not.
- [-]R: Traverse subdirectories recursively, applying changes.

<mode>

Files and directories have three types of permissions: read (r), write (w) and execute (x). Each permission has its own value and can create a mode with the value that the unique values are added.

User			**Group**			**Others**		
r	w	x	r	w	x	r	w	x
400	200	100	40	20	10	4	2	1
700			70			7		

For example, if you want to assign all permissions, you can use 777, which is the sum of all values within the table, as mode. If you want to assign all permissions to a user, and read and execute permissions to other users, set mode to 755.

6.4.6 Command to Create Accounts - useradd

Command Format: useradd [Option] (account name)

[Option]

- [-]u: A user ID
- [-]g: A group ID or group name
- [-]s: SHELL information
- [-]d: A home directory

6.5 Error Handling

This section describes the errors that can be generated when you install and set XE, and how to handle them.

6.5.1 Insufficient Version of MySQL

- Error: A message that says "XE cannot be installed under the version of MySQL 4.1. Current MySQL version is x.x.x-log" appears.
- Cause: It occurs when the installed version of My SQL version is lower than the minimum supported version.
- Solution: Update MySQL to version 4.1 or higher.

6.5.2 Incorrect DB Account Information

- Error: A message that says "Access denied for user 'xxx'@'xxxx' (using password: YES) xxx" appears.
- Cause: It occurs when DB account does not exist, password is wrong or you do not have the access permission to the database to connect.
- Solution: Check to ensure that you correctly entered account setting, access permission information and database information.

6.5.3 Incomplete Permission Settings When Installing XE

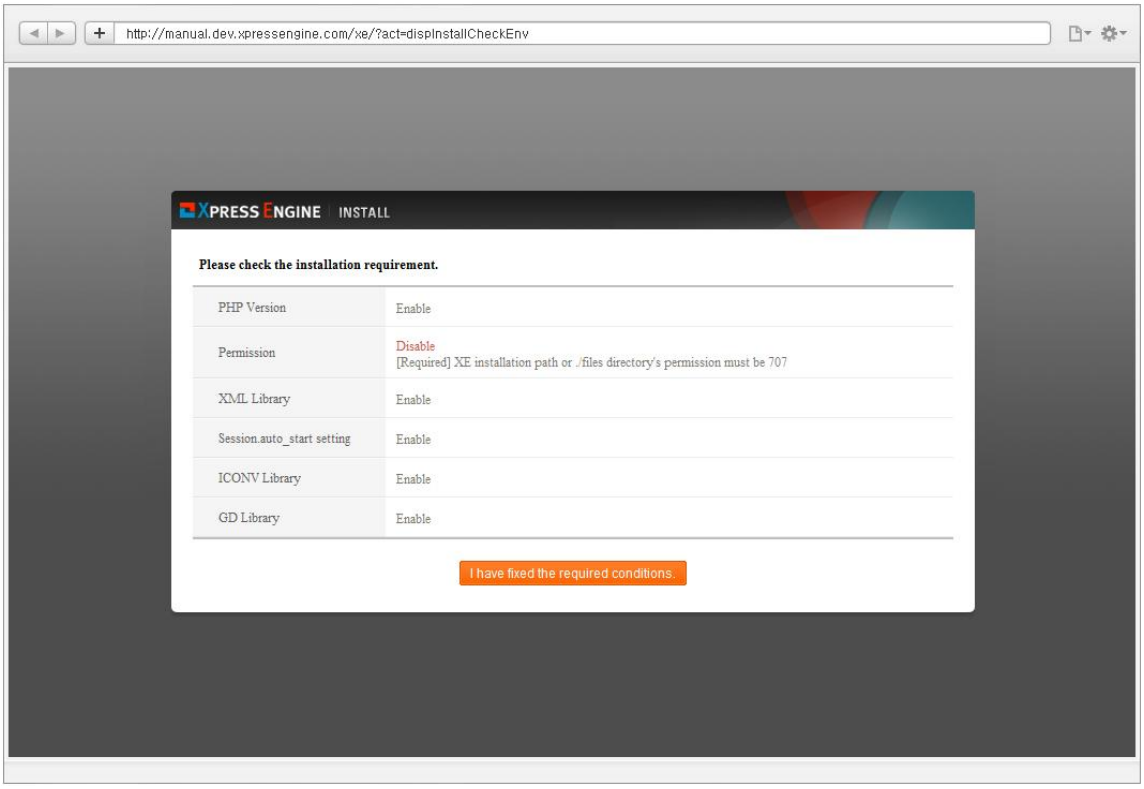


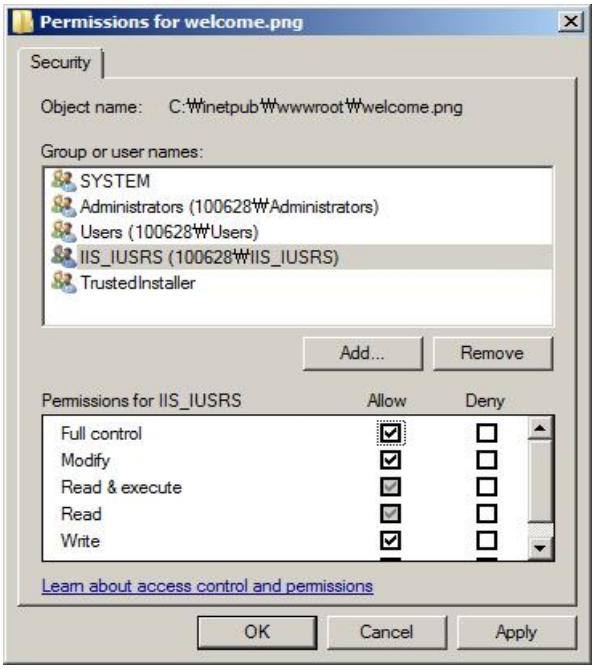
Figure 6-4 Screen Shown When Permission Settings Incomplete

- Error: A message that says "[Required] XE installation path or ./files directory's permission must be 707." appears.
- Cause: It occurs when the files directory does not exist in the XE installation path.

- Solution (Windows): Check whether the files directory exists in the XE installation path.

  In Windows XP, you can install XE without setting the permission for files or folders. In Windows 7 (IIS7), however, you must grant permissions to IIS_ISURS (group) and IUSRS (user) as follows:

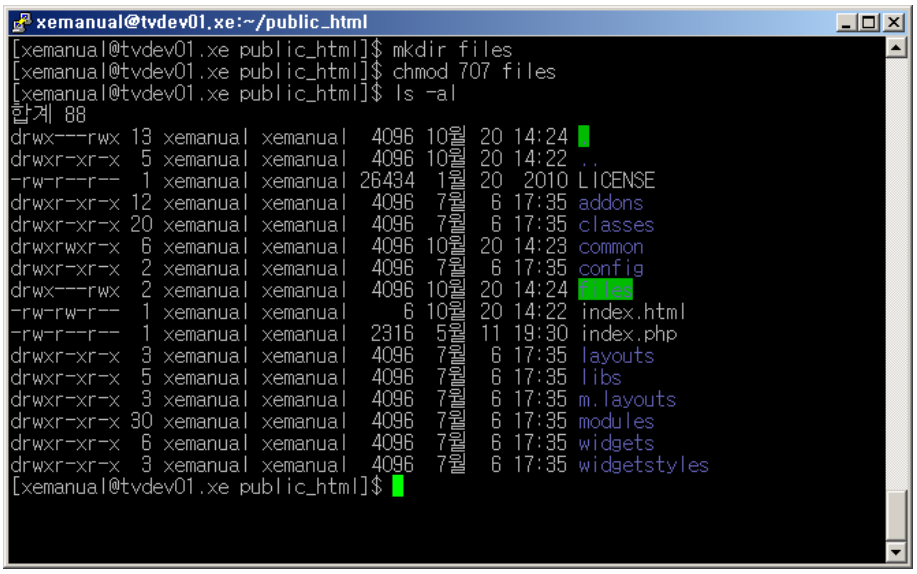
  a. Right-click the XE installation folder (C:\Inetpub\wwwroot\xe) and then select **Properties** from the Context menu.
  b. Select the **Security** tab in the **Properties** window of the folder.
  c. Click **Edit** in the center of the window.
  d. Check that there are IIS_IUSRS group and IUSR user within the **Group or user names** list on **Permissions** window. If not, click **Add**.
  e. In the **Select Users or Groups** window, enter *IUSR* under **Enter the object names to select**, click **Check Names** and then click **OK**.
  f. Click **Add** in the **Permissions** window again.
  g. At this time, enter *IIS_USRS* in the **Select Users or Groups** window, click **Check Names** and then **OK**.
  h. If all users and groups are added, select **IUSR**, click the **Allow** checkbox for **Full control** as shown below and then click **Apply**.



  i. In addition, set for **IIS_IUSRS** in the same manner as above.

- Solution (Linux): Check whether the files directory exists in the XE installation path.

  In the Linux environment, if the files directory does not exist, create the files directory by using the mkdir command and set permissions by using the chmod command.


xemanual@tvdev01.xe:~/public_html
[xemanual@tvdev01.xe public_html]$ mkdir files
[xemanual@tvdev01.xe public_html]$ chmod 707 files
[xemanual@tvdev01.xe public_html]$ ls -al
합계 88
drwx---rwx 13 xemanual xemanual 4096 10월 20 14:24 .
drwxr-xr-x 5 xemanual xemanual 4096 10월 20 14:22 ..
-rw-r--r-- 1 xemanual xemanual 26434 1월 20 2010 LICENSE
drwxr-xr-x 12 xemanual xemanual 4096 7월 6 17:35 addons
drwxr-xr-x 20 xemanual xemanual 4096 7월 6 17:35 classes
drwxrwxr-x 6 xemanual xemanual 4096 10월 20 14:23 common
drwxr-xr-x 2 xemanual xemanual 4096 7월 6 17:35 config
drwx---rwx 2 xemanual xemanual 4096 10월 20 14:24 files
-rw-rw-r-- 1 xemanual xemanual   6 10월 20 14:22 index.html
-rw-r--r-- 1 xemanual xemanual 2316 5월 11 19:30 index.php
drwxr-xr-x 3 xemanual xemanual 4096 7월 6 17:35 layouts
drwxr-xr-x 5 xemanual xemanual 4096 7월 6 17:35 libs
drwxr-xr-x 3 xemanual xemanual 4096 7월 6 17:35 m.layouts
drwxr-xr-x 30 xemanual xemanual 4096 7월 6 17:35 modules
drwxr-xr-x 6 xemanual xemanual 4096 7월 6 17:35 widgets
drwxr-xr-x 3 xemanual xemanual 4096 7월 6 17:35 widgetstyles
[xemanual@tvdev01.xe public_html]$

6.5.4 FTP Home Directory Inaccessible during Easy Install

- Error: A message that says "msg_make_directory_failed" appears.
- Cause: It occurs when the value of "FTP path setting of the installed XE" in website environment is wrong.
- Solution: After checking the absolute path of the installed XE path, set the value again. You must add '/' at the end of the XE absolute path.